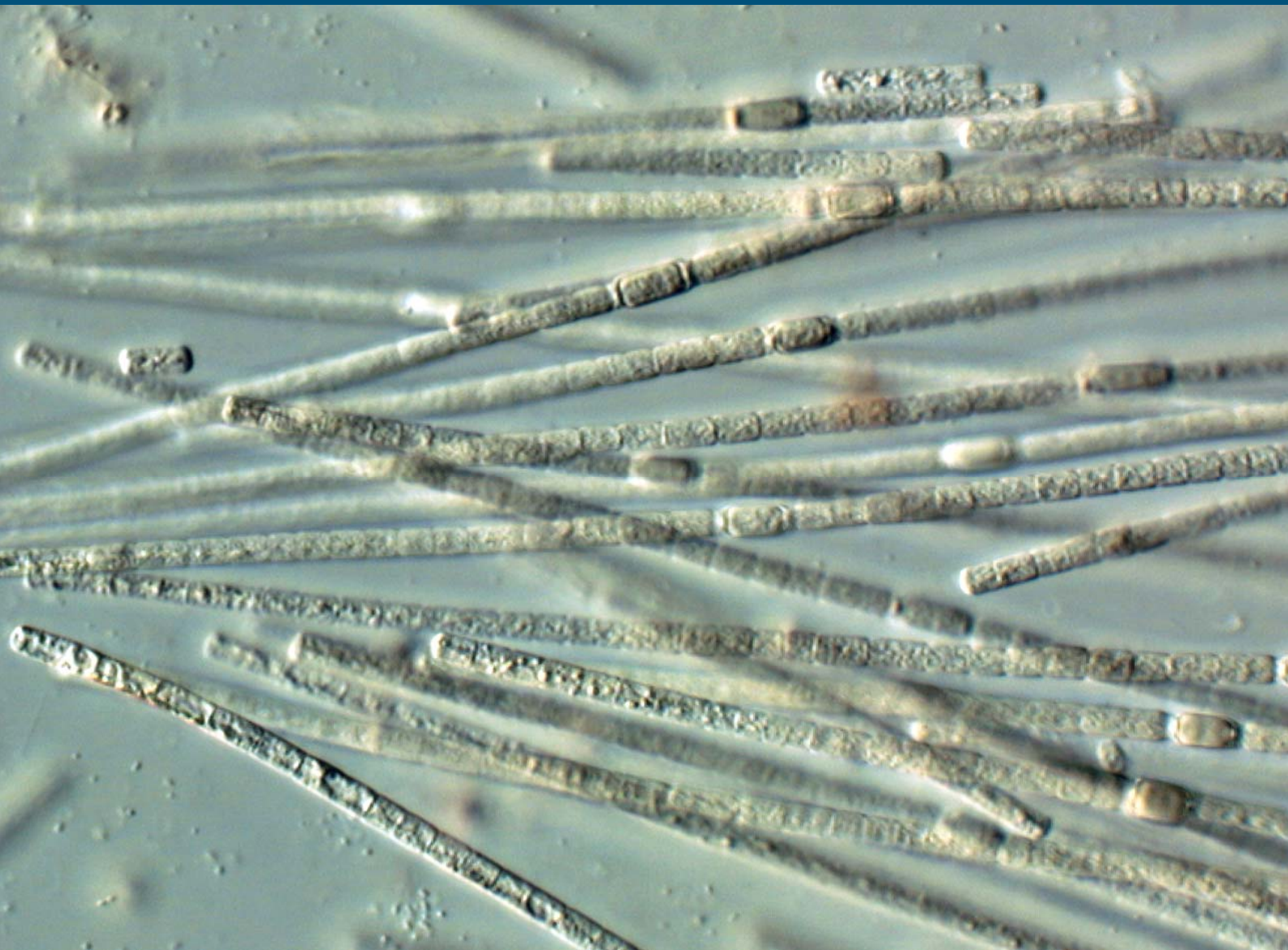


Baltic Sea Environment Proceedings No.106

Biovolumes and Size-Classes of Phytoplankton in the Baltic Sea



Helsinki Commission
Baltic Marine Environment Protection Commission

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All photographs by Finnish Institute of Marine Research (FIMR)

Cover photo: *Aphanizomenon flos-aquae*

For bibliographic purposes this document should be cited to as:

Olenina, I., Hajdu, S., Edler, L., Andersson, A., Wasmund, N., Busch, S., Göbel, J., Gromisz, S., Huseby, S., Huttunen, M.,
Jaanus, A., Kokkonen, P., Ledaine, I. and Niemkiewicz, E. 2006
Biovolumes and size-classes of phytoplankton in the Baltic Sea
HELCOM Balt. Sea Environ. Proc. No. 106, 144pp.

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ISSN 0357-2994

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Preface

This report on biovolumes and size-classes of phytoplankton in the Baltic Sea has been produced by the HELCOM Phytoplankton Expert Group (PEG). Most laboratories involved in the HELCOM Baltic Monitoring Programme (COMBINE) have contributed to the work, using regional phytoplankton data. Distinct size-classes and biovolumes were agreed upon and established for most Baltic species which are possible to identify using a light microscope and the Utermöhl counting technique.

The need for a comprehensive compilation was recognised already at the beginning of the phytoplankton studies in the framework of the Baltic Monitoring Programme. Since quality assurance of data is an important component of the HELCOM monitoring programme, measures were taken to evaluate and improve the recommended methods through intercalibrations between the different partners. In 1991 HELCOM PEG was established, with the main

aim to unify methods of collection, counting and identification of phytoplankton species. Since accurate biomass estimates are important in phytoplankton monitoring, PEG also made considerable efforts to standardise size-classes and biovolumes of phytoplankton species found in the Baltic Sea.

It is recommended that the present list with biovolumes and fixed size-classes be used for the calculation of phytoplankton biomass in routine monitoring of Baltic Sea phytoplankton. This list is meant to be an integral component of HELCOM's phytoplankton counting programme, PhytoWin. The list will be updated as new information is obtained.

The use of a standardised species list with fixed size-classes and biovolumes will be a decisive measure for improving the quality of the phytoplankton counting method and the comparability of results.



1 Introduction

Phytoplankton constitutes an elementary component in aquatic ecosystems. Representing the base of the pyramid of productivity, the understanding and modelling of the aquatic ecosystem is not possible without knowledge of the species composition, productivity and biomass of phytoplankton.

The history of quantitative plankton research goes back to Hensen's (1887) pioneering study of plankton standing stock and productivity conducted in the Kiel Bight from 1883 to 1886. Up to the 1920s, microscopic counting of net samples was the conventional method. Already Lohmann (1908) discussed the unsuitability of net sampling for quantitative analysis and carried out filtration and centrifugation to enrich the water sample for microscopic analysis. The rough treatment of the delicate cells with filtration or centrifugation was replaced by a gentle sedimentation technique, using special sedimentation chambers and inverted microscopes. This method, now called the Utermöhl method (Utermöhl 1958), completed by Lund *et al.* (1958) with statistical basics of the precision of the counting method, has become the standard method for quantitative phytoplankton studies in both marine and freshwater environments.

Early monitoring programmes, starting 1902, were co-ordinated by the International Council for the Exploration of the Sea (ICES), with 4 cruises per year, covering most of the Baltic Proper. A short-coming of these early activities was the poor comparability of the data due to the variety of methods applied, concerning sampling, fixatives, counting and mode of calculation. One of the used methods was semi-quantitative, using a dominance scale of 5 classes (cf. ICES 1989). This method was more subjective than the quantitative method, and data from different locations and different seasons could not be compared (Apstein 1904). World War I put a total stop to this research. In the following decades, the main interests shifted to physico-chemical analyses and finally to environmental properties and processes, promoted by improvements in analytical methods, including primary production and chlorophyll measurements.

In the 1960s, eutrophication became obvious in the Baltic Sea. The riparian countries recognised the increasing environmental problems and

agreed to establish the Baltic Marine Environment Protection Commission (Helsinki Commission, HELCOM) in 1974. One of the aims was to investigate long-term trends in trophic conditions. Monitoring has been conducted since 1979 through the Baltic Monitoring Programme (BMP), according to a co-ordinated sampling schedule and with binding methods (Edler 1979a, HELCOM 1988). For quantitative phytoplankton analyses, the Utermöhl method was adopted, as suggested by the Baltic Marine Biologists (BMB) following the recommendation by Edler (1979a).

From the beginning of the monitoring programme, HELCOM took measures to evaluate and improve the recommended methods through intercalibrations between the different partners (Edler 1979b, Edler 1983, Niemi *et al.* 1985, HELCOM 1991). The first two intercalibration exercises in Stralsund 1979 and Rönne 1983 revealed the need for regular workshops and training courses for all persons involved in HELCOM phytoplankton counting. The third intercalibration workshop and first training course in Visby, 1990, resulted in the establishment of the HELCOM Phytoplankton Expert Group (PEG), with the aim to reduce the subjective component especially in species identification. The main goal was the improvement of individual knowledge in phytoplankton taxonomy and to agree on the use of the same name for the same taxa. A checklist of phytoplankton species found in the Baltic Sea was established already in 1984 for this purpose, (Edler *et al.* 1984). This checklist was recently revised by Hällfors (2004) and forms the basis of the species list published in this paper.

A further important step for improvement of the phytoplankton analysis has been the development of standard counting and calculation procedures. This has been enabled by computer software. Already in 1993, the Finnish Institute of Marine Research (FIMR) initiated the creation of the programme PHYTO together with the software company Kahma Ky (Helsinki). In 1994 HELCOM bought licenses of this programme for all countries participating in the monitoring of the Baltic Sea. In 2003 the programme was adapted to a user-friendly WINDOWS environment, which ensures that it will be used by all phytoplanktologists working in the combined coastal and open sea monitoring

programme of HELCOM (COMBINE).

The inadequacy of using data on cell concentrations for the estimation of the phytoplankton community has long been recognised. For observations of whole phytoplankton communities, containing a wide range of size-classes, biovolume will give a more accurate picture (Paasche 1960). However, the first data to be obtained from counting is abundance. The phytoplankton biovolume concentration has to be derived from the cell abundance and cell biovolumes. Cell volumes can be calculated from cell-size and shape by use of appropriate geometric formulas. As it is impossible to measure and calculate every individual in routine counting,

the same shape and a mean size was originally assumed for each species. This simplification, however, introduces a hardly quantifiable error into the biovolume calculation. As many species show a wide range in size, the calculation was improved by counting in appropriate size-classes. Important goals of the PEG work since 1997 have been the re-evaluation of species-specific geometric formulas and development of size-classes. The use of a standardised species list with fixed size-classes and biovolumes, will be a decisive measure to improve the quality of the phytoplankton counting method. This list is an integral component of the PhytoWin counting and calculation programme.



Achnanthes taeniata



Peridiniella catenata

2 Material and Methods

2.1 General procedure

Phytoplankton samples were collected and treated according to the standard HELCOM (1988) methods in all regions of the Baltic Sea, including the Kattegat and the major gulfs (Bothnia, Finland, Riga and Gdansk). Data received during routine monitoring between 1980 and 2003, by different national laboratories around the Baltic Sea, were mainly used. The participating laboratories presented the most common sizes of all species occurring in their regional areas, based on their earlier measurements using high magnification (400–600 times). When needed, additional measurements were performed with the ambition to measure dimensions of at least 25 cells at each laboratory. The total number of measurements varied between species, but all together more than 100 cells were measured for all dominating taxa. Data from the different laboratories were compared, and clustered cell-sizes were grouped into size-classes. In general, the arithmetic mean of each size-class was used as a standardised biovolume. In some cases there were gaps in size-classes, due to lack of measurements (e.g. *Amphiprora paludosa* v. *paludosa*, *Gyrosigma macrum*, *Suriella crumena*).

Valid names of the phytoplankton taxa were based on the recent Checklist of Baltic Sea Phytoplankton Species (Hällfors 2004) with few exceptions. The biovolume list includes only

taxa, which were measured and could be identified by light microscope. Identification to species level is not always possible in Lugol preserved material and therefore volumes for higher taxonomic ranks are also included in the list. Some newly described taxa, e.g. *Aphanothece parallelliformis* Cronberg (Cronberg 2003), and taxa found and measured after the publication of the Baltic Sea Checklist (Hällfors 2004) were also added to the list. These taxa are marked with an asterisk in the comment column.

2.2 Geometric shapes and equations

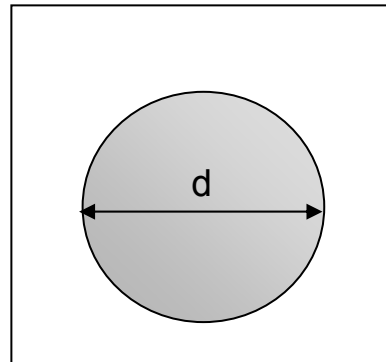
For each taxon the best fitting geometric shape and matching equation was used. The survey of phytoplankton species present in the Baltic Sea resulted in 16 basic geometric shapes to be used for the determination of the biovolume of cells. All basic shapes and equations are shown in Table 1. Many of the shapes were used already in the earlier recommendation (Edler 1979a), whereas others are new, and some have been given new names. It should be clear however, that it is not possible to classify each shape of all phytoplankton species into the few basic geometric shapes being used. The aim has been to find shapes, which require as few measurements as possible, but which at the same time reflect the shape of the organism as far as possible.

Table 1. Basic geometric shapes and formulas for the calculation of phytoplankton biovolume. Dimensions to be measured are: d: diameter, h: height, l: length, w: width.

Sphere

Volume: $V = \pi/6 * d^3$

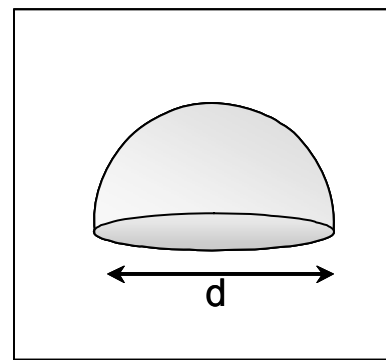
V: volume
d: diameter



Half Sphere

Volume: $V = \pi/12 * d^3$

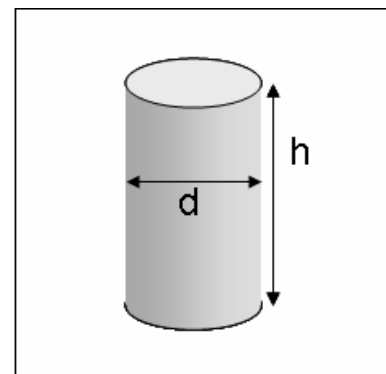
V: volume
d: diameter



Cylinder

Volume: $V = \pi/4 * d^2 * h$

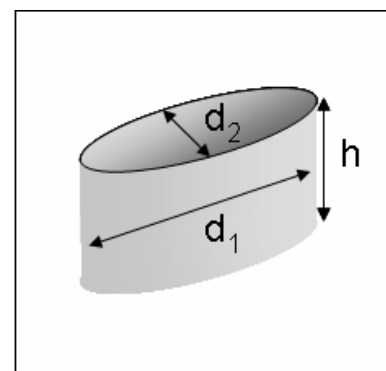
V: volume
d: diameter
h: height



Oval Cylinder
(ellipsoid or prism on elliptic base)

Volume: $V = \pi/4 * d_1 * d_2 * h$

V: volume
d₁: large diameter
d₂: small diameter
h: height



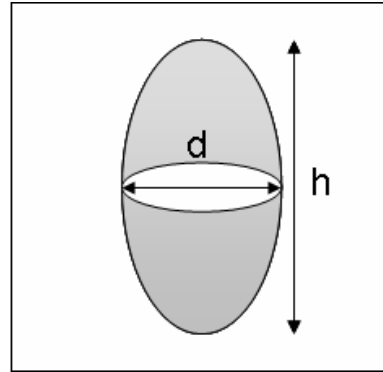
Rotational Ellipsoid

Volume: $V = \pi/6 * d^2 * h$

V: volume

d: diameter

h: height



Flattened Ellipsoid

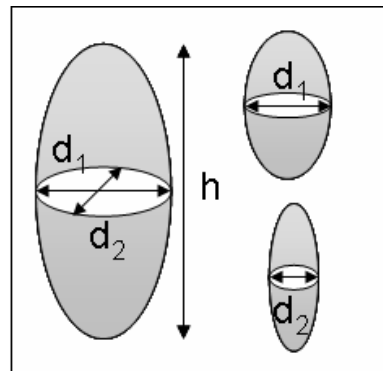
Volume: $V = \pi/6 * d_1 * d_2 * h$

V: volume

d₁: large diameter

d₂: small diameter

h: height



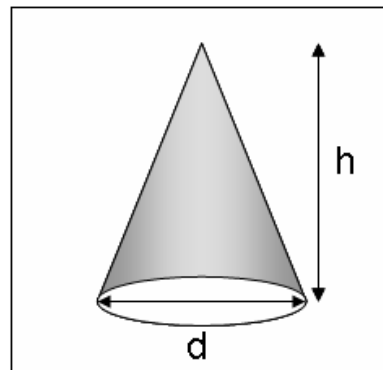
Cone

Volume: $V = \pi/12 * d^2 * h$

V: volume

d: diameter

h: height



Truncated Cone

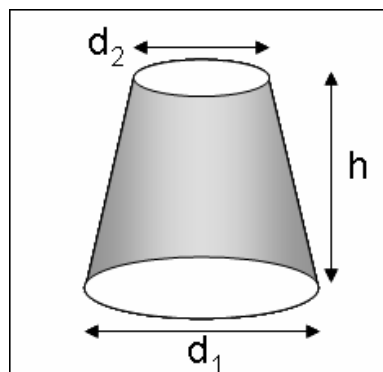
Volume: $V = \pi/12 * h * (d_1^2 + d_1 d_2 + d_2^2)$

V: volume

d₁: large diameter

d₂: small diameter

h: height



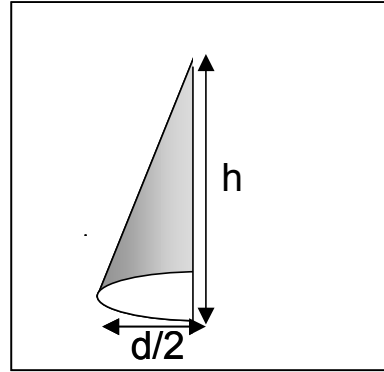
Half Cone

Volume: $V = \pi/24 * d^2 * h$

V: volume

d: diameter

h: height



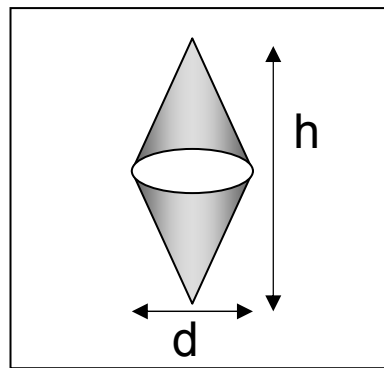
Double Cone

Volume: $V = \pi/12 * d^2 * h$

V: volume

d: diameter

h: height



Parallelepiped

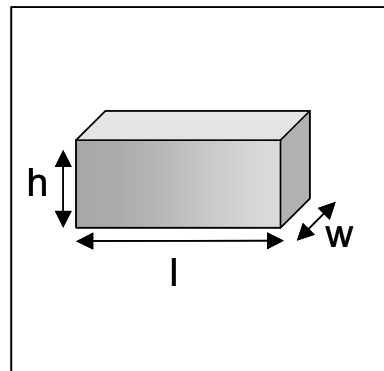
Volume: $V = l * w * h$

V: volume

l: length

h: height

w: width



Half Parallelepiped (prism on triangular base)

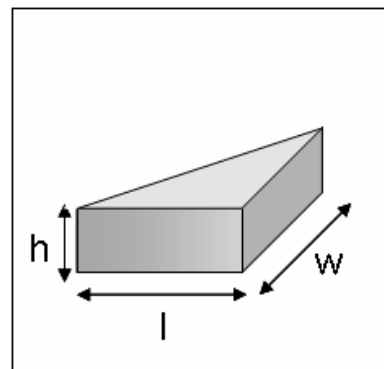
Volume: $V = l * w * h / 2$

V: volume

l: length

h: height

w: width



Trapezoid

Volume: $V = 1/2 * h * w * (l_1 + l_2)$

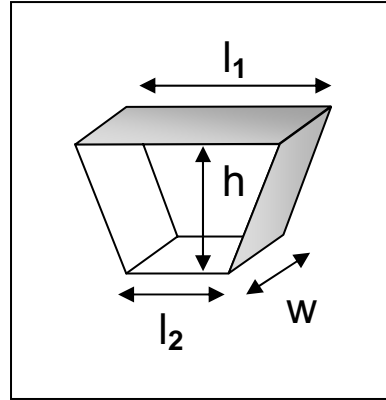
V: volume

l_1 : length

l_2 : length

h: height

w: width



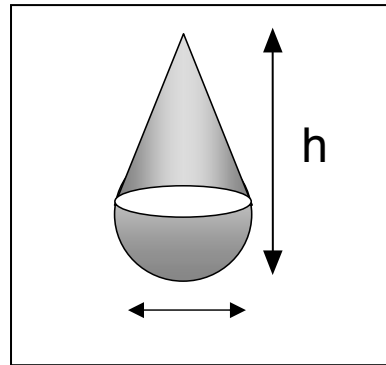
Cone with half Sphere

Volume: $V = \pi / 12 * d^2 * h$

V: volume

d: diameter

h: height



Half Cone + cut flattened Ellipsoid

Volume: $V = (\pi / 24 * d_1^2 * h_1) + (\pi / 6 * d_1 * d_2 * h_2)$

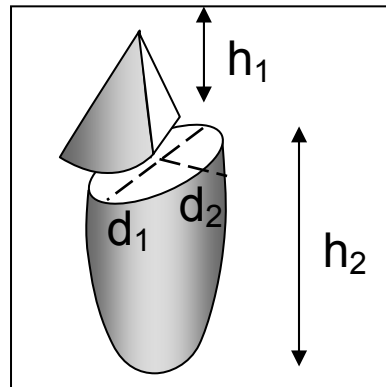
V: volume

d_1 : large diameter

d_2 : small diameter

h_1 : 0.3 * total height of cell

h_2 : 0.7 * total height of cell



Monoraphidioid

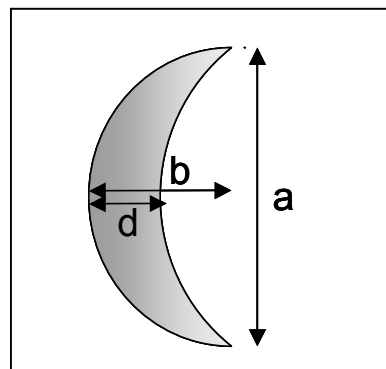
Volume: $V = d^2 / 8 * (2b - d + a) * (\pi^2 / 6 + 1)$

V: volume

a: large diameter of ellipse

b: small diameter of ellipse

d: diameter of cell



3 Results

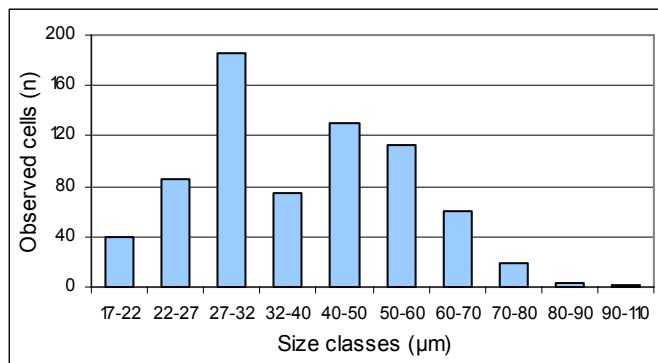


Figure 1. Distribution of cell diameter (apical axis) of *Thalassiosira baltica*.

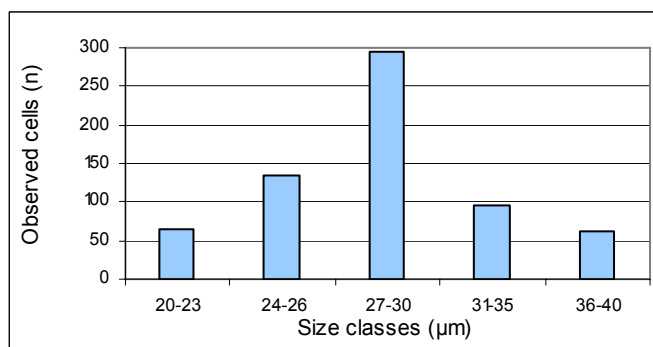


Figure 2. Distribution of cell diameter (cingulum) of *Peridiniella catenata*.

3.1 Definition of size classes

The applied number of size-classes depended on the size variation of each taxon. Taxa showing large size variations were given more size-classes than those with a low variation. As examples, size-classes are presented for three commonly occurring phytoplankton species/genera: *Thalassiosira baltica*, *Peridiniella catenata*, and *Aphanizomenon* sp. Morphometric parameters of *T. baltica* and *P. catenata* showed large size variations, while *Aphanizomenon* sp. showed a small variation.

T. baltica occurs all year round in the Baltic Sea, with a maximum occurrence during the spring bloom, when it may dominate the phytoplankton (Hällfors and Niemi 1981, Andersson *et al.* 1996, HELCOM 1996). The diameter of the valve (apical axis) was measured on 712 cells and 10 size-classes were selected to comprise aggregated size-groups. The diameter ranged from 20 to 100 µm (Figure 1). Two peaks were found, at 30 µm and 45 µm. The average diameter was 41.5 µm, the standard deviation 15.5 and the coefficient of variation was 37%.

P. catenata is one of the most common dinoflagellates during the spring bloom in the Baltic Sea (e.g. Hällfors and Niemi 1981, Andersson *et al.* 1996, HELCOM 1996) and is related to cold water (Edler *et al.* 1984). The size of 580 cells was measured, and the cell sizes were found to be normally distributed. The average cell size was 30 µm, and the coefficient of variation 18%. Five size classes were selected, which comprised clustered cell-sizes (Figure 2).

Aphanizomenon sp. is one of the most common filamentous blue-green algae in the open Baltic Sea (e.g. HELCOM 1996, Larsson *et al.* 2001). It is often referred to *A. flos-aquae*, but recent studies suggest that the Baltic *Aphanizomenon* may be a species of its own (Janson *et al.* 1994). *Aphanizomenon* sp. has its maximum during summer and autumn (e.g. Hällfors and Niemi 1981, Andersson *et al.* 1996, Wasmund 1997, Larsson *et al.* 2001). The diameter of 310 cells collected at open sea stations, ranged from 3-5.2 µm. The average diameter was 4.1 µm and the coefficient of variation ~10%. The results are in agreement with Congestri *et al.* (2003), who reported an average diameter of 4.2 µm for *Aphanizomenon* sp. (range 3-5.6 µm, coefficient of variation ~14%, n=1139). Because of this small variation the biovolume of *Aphanizomenon* sp. was based only on the average diameter.

3.2 Measurement of “hidden” dimensions

Some of the algal dimensions are seldom visible in the microscope during routine analysis. Examples of such hidden dimensions (HD) are the pervalvar axis of many diatoms and the “thickness” of e.g. *Dinophysis* and *Protoperdinium*. As the hidden dimension is needed in the calculation of the cell volume of many phytoplankton species, the HD was measured on fixed and living material. Identified HD-factors are presented in the Comments column of the species list (Annex 1).

Some examples of the relation between HD and visible dimensions are shown in Figures 3 and 4. *Thalassiosira baltica* represents centric diatoms with a cylinder shape, while *Dinophysis acuminata* is an example of a species with a flattened ellipsoid shape.

The volume of *T. baltica* is calculated as a cylinder. The HD is the pervalvar axis (PA) of the cell, and has previously been reported to be about one-third to one-half of the cell diameter (Hasle and Syvertsen 1997). The apical and pervalvar axis (HD) on 163 cells were measured and a weak correlation was found (Figure 3).

T. baltica varies considerably in diameter (20-100 µm). Factors for three size groups (small, medium and large) were calculated according to the common distribution of cell size (Table 2).

The volume of *Dinophysis* species is calculated from the equation of a flattened ellipsoid, which needs a measure of the thickness (width in ventral view) of the organism. Factors for the HD were derived from the ratio between cell thickness (HD) and the cell length (Figure 4, Table 3).

While there is a correlation between length and width (in lateral view), the HD of the cell (width in ventral view) varies. The average HD/Length factor 0.5 was used in the volume calculation because the relatively few measurements did not allow separation of smaller and larger cells.

According to the measurements taken, the Baltic Sea *D. acuminata* is more variable in size, especially in cell width (25-48 µm), than is known from the literature (30-38 µm in Larsen and Moestrup 1989). The range of the length/width ratio is also wider, 1.14 – 1.74, compared to the data in Dodge (1982).

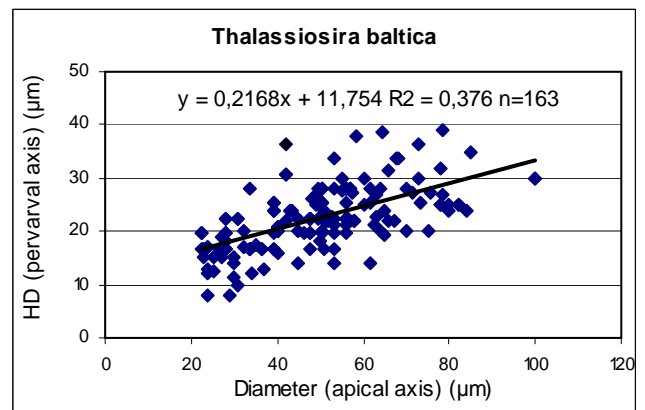


Figure 3. Relation between the hidden dimension (HD, pervalvar axis) and the diameter (apical axis) in *Thalassiosira baltica*.

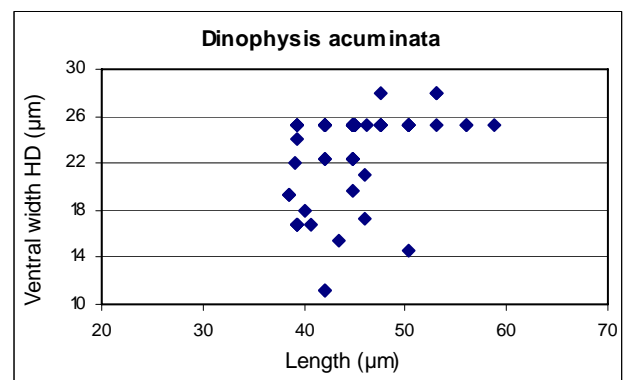
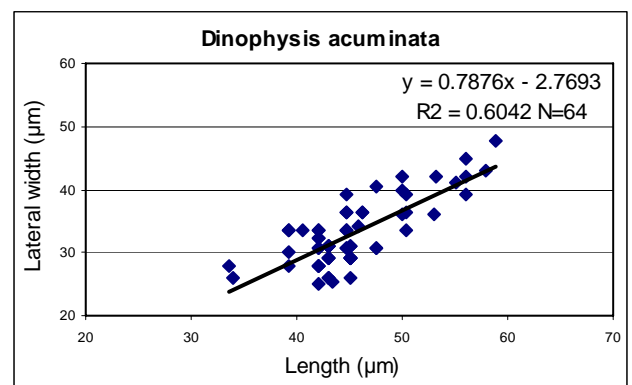


Figure 4. Relation between cell length and “lateral width” (top) and between cell length and the hidden dimension (HD, “ventral width”, bottom).

Table 2. Cell-sizes (μm) and factors calculated from direct measurements of *Thalassiosira baltica*. Bold-marked numbers used for calculation of biovolumes. AA: apical axis, PA: peralvar axis.

| | <32 μm | | | 32-70 μm | | | >70 μm | | |
|---------------|-------------------|----------------------------|------------|---------------------|----------------------------|------------|-------------------|----------------------------|-------------|
| | Diameter (AA) | HD (Hidden dimension) (PA) | HD/AA | Diameter (AA) | HD (Hidden dimension) (PA) | HD/AA | Diameter (AA) | HD (Hidden dimension) (PA) | HD/AA |
| MEDIAN | 27 | 17 | 0.6 | 50 | 22 | 0.5 | 78 | 27 | 0.3 |
| AVG | 27 | 16 | 0.6 | 50 | 23 | 0.5 | 79 | 28 | 0.35 |
| STDEV | 3 | 4 | 0.1 | 9 | 5 | 0.1 | 8 | 5 | 0.1 |
| CV % | 10 | 23 | 22 | 18 | 23 | 26 | 10 | 18 | 19 |
| MIN | 22 | 8 | 0.3 | 32 | 12 | 0.2 | 70 | 20 | 0.3 |
| MAX | 31 | 22 | 0.9 | 68 | 39 | 0.9 | 100 | 39 | 0.5 |
| n | 33 | 33 | 33 | 109 | 109 | 109 | 21 | 21 | 21 |

Table 3. *Dinophysis acuminata* cell sizes (μm) and factors calculated from direct measurements. Bold-marked number used for calculation of biovolumes.

| | Length (L) | Lateral width (W) | W/L | Length (L) | Ventral width (HD) | HD/L |
|---------------|------------|-------------------|------|------------|--------------------|------------|
| MEDIAN | 45 | 31 | 0.7 | 45 | 25 | 0.5 |
| AVG | 45 | 33 | 0.7 | 45 | 23 | 0.5 |
| CV % | 11 | 16 | 10.2 | 11 | 17 | 17 |
| MIN | 34 | 25 | 0.6 | 39 | 11 | 0.3 |
| MAX | 59 | 48 | 0.9 | 59 | 28 | 0.6 |
| n | 64 | 64 | 64 | 60 | 60 | 60 |

3.3 Measurements of complex cell shapes

In some cases, the bizarre shapes of cells require complicated equations for the biovolume calculations. For example, according to earlier recommendations and guidelines (Edler 1979a, HELCOM 1988), a model of a *Ceratium* cell is composed of 4 to 5 geometric shapes, requiring up to 12 length and diameter measurements per cell. Even with this time-consuming procedure, the biovolume cannot be adequately calculated. Especially the flattening of the cell and the excavation of the ventral side cannot be measured in fixed samples, and several assumptions have to be made.

The most relevant dimension for the cell volume is the width at the cingulum, whereas the lengths of the horns contribute much less. The size-classes defined here are based on the extensive measurements by Thomsen (1992) on the temporal variability. If the mean width of the cell for each size-class is defined, the cell volume is found from the correlations determined by Thomsen (1992).

3.4 Biovolumes and size-classes of the Baltic Sea phytoplankton species

A total of 694 taxa were analysed (Annex 1). Most of these taxa are included in the recent Checklist of Baltic Sea Phytoplankton Species (Hällfors 2004). The study generated information on taxonomic order, species/genera name (Latin name), author(s), size-classes (size-range), geometric shape of the cell, geometric equation, and measurements needed for biovolume calculation; all of which are included in the table. For convenience, the biovolumes were calculated for counting units (called cell number in the table): most often this means single cells and sometimes 100 µm threads, coenobiums and colonies of 4, 8, 16, 20, 50, 100, or 200 cells (HELCOM 1988).

As a result of the large salinity range in the Baltic Sea, the species list covers a wide range of marine and freshwater species. This may make the list too long for practical use in a laboratory conducting phytoplankton monitoring in a restricted area. By extracting suitable data from the net version of the biovolume table into a new spreadsheet the list can easily be adapted to cover the species, equations and biovolumes occurring in a specific region of the Baltic Sea.

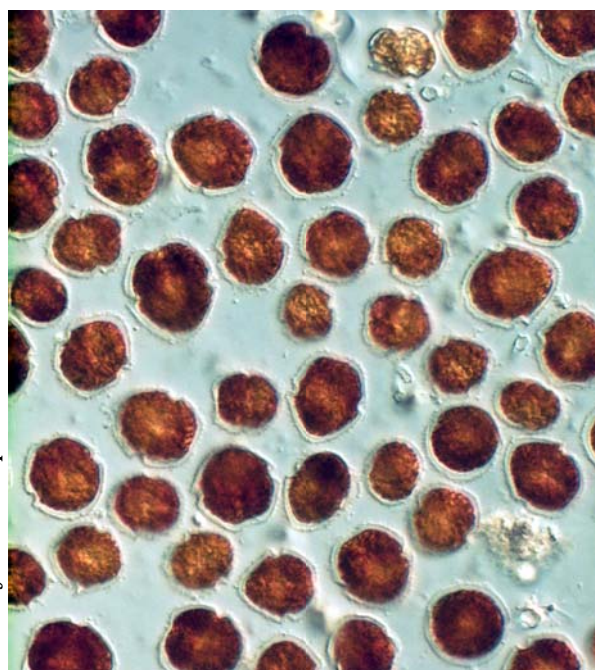


Thalassiosira baltica



Chaetoceros wighamii

Woloszynskia halophila



4 Discussion

During the last years, quality assurance criteria have been intensively discussed and developed in both national and international working groups. Phytoplankton monitoring data still show incoherence concerning three main aspects: the use of different names, or invalid synonyms for a specific species, the use of varying geometric forms of species and different biovolume calculations by different laboratories, and finally the severe risk that incomparability will arise when varying phytoplankton size-classes for specific species are used by the different laboratories. On the other hand, the scattering of biovolumes of a given species will most certainly vary from one locality to another and from one season to another.

In order to reduce the high variance in the results of phytoplankton analyses, standardisation of as many steps as possible of the procedures is necessary. The introduction and agreement of different size-classes, biovolume calculations and names as proposed here is the first step to overcome these problems.

Phytoplankton analyses performed in a strict and standardised way have shown to generate coefficient of variations (CV) for biomass concentrations of 27% for autotrophic microplankton and 18% for autotrophic nanoplankton (Andersson and Rudehäll 1993). These CVs may be used as measures for acceptable variability of phytoplankton analysis. A certain small-scale patchiness must be expected. Furthermore, the size and hence biovolume of a given taxon varies due to several factors. The variability and instability in size is dependent on environmental influence, e.g. light and nutrient availability, but also on the mode of the life cycle of different phytoplankton groups.

The use of 16 basic geometric shapes, as used in this study, may be too little to reflect all phytoplankton shapes accurately. The aim, however, was to find a compromise between the accurate shape and as few actual measurements of the phytoplankton cell as

possible. This undoubtedly introduces errors, but to an extent that was considered justified by the easier microscopical measurements. The use of cylindrical shape in e.g. *Rhizosolenia* spp. instead of cylinder plus two cones, which is more accurate, but adds two more measurements, may as an extreme result in a 15-20 % overestimate of the individual cell volume. Similarly, some *Chaetoceros* cells will be underestimated by about 10 %, when the volume of setae is not included. The use of agreed geometric shapes and equations will certainly improve the comparability between laboratories, as slightly different shapes and subsequent calculations of the biovolume of a given species have shown to give biovolume differences of factors 1.5 (e.g. *Dinophysis* spp.) to 6 (e.g. *Ditylum brightwellii*).

For many species in the present phytoplankton list, the cell volume is based on measured hidden dimensions. This is an improvement compared to earlier studies, where the hidden dimensions were based on assumptions (Edler 1979a, HELCOM 1988, Hillebrandt 1999, and lists created by the phytoplankton analysers themselves). The list only includes species and genera, which can be identified with the Utermöhl technique. As this list is based on the Checklist of Baltic Sea Phytoplankton Species (Hällfors 2004) it helps to provide comparable and homogeneous data sets of phytoplankton for the HELCOM area. This is an important step forward to achieve high quality and comparable phytoplankton data between different laboratories.

It is obvious that this biovolume list is not static, but a step in a dynamic process. The continuing PEG work will e.g. include upgrading of the list and estimates of carbon biomass. We suggest that the use of the list should be mandatory for laboratories contributing to the HELCOM database. In addition, it may be useful for other phytoplankton research in the Baltic or in other sea areas. This would allow for comparability of various phytoplankton investigations.

Addendum

The available digital version of the present phytoplankton list is an integral component of the phytoplankton counting programme "PhytoWin".

The programme PhytoWin and the manual are copyright by SoftWare Kahma Ky:

Software Kahma Ky
Koskelantie 35 E 47
FIN 00610 Helsinki, Finland
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Tel.: +358-9 795 395

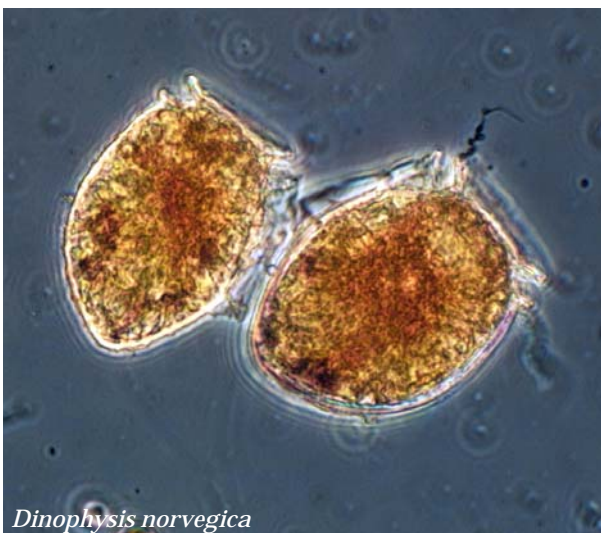


Nodularia spumigena

Acknowledgements



The authors are grateful for valuable contributions by Maciek Dubinski, Heidi Hällfors, Seija Hällfors, Reija Jokipii, Käte Kunert, Eugenia Lange, Susanna Minnhagen, Maija Niemelä, and Barbara Witek. We would also like to thank the Baltic Marine Environment Protection Commission – HELCOM for financial support and the Finnish Environment Institute, Finnish Institute of Marine Research, Centre of Marine Research in Klaipeda, the Swedish Centres of Marine Sciences, Baltic Sea Research Institute in Rostock, Estonian Marine Institute, Institute of Aquatic Ecology, University of Latvia and the Institute of Oceanography, University of Gdansk for organization of Phytoplankton Expert Group Meetings.



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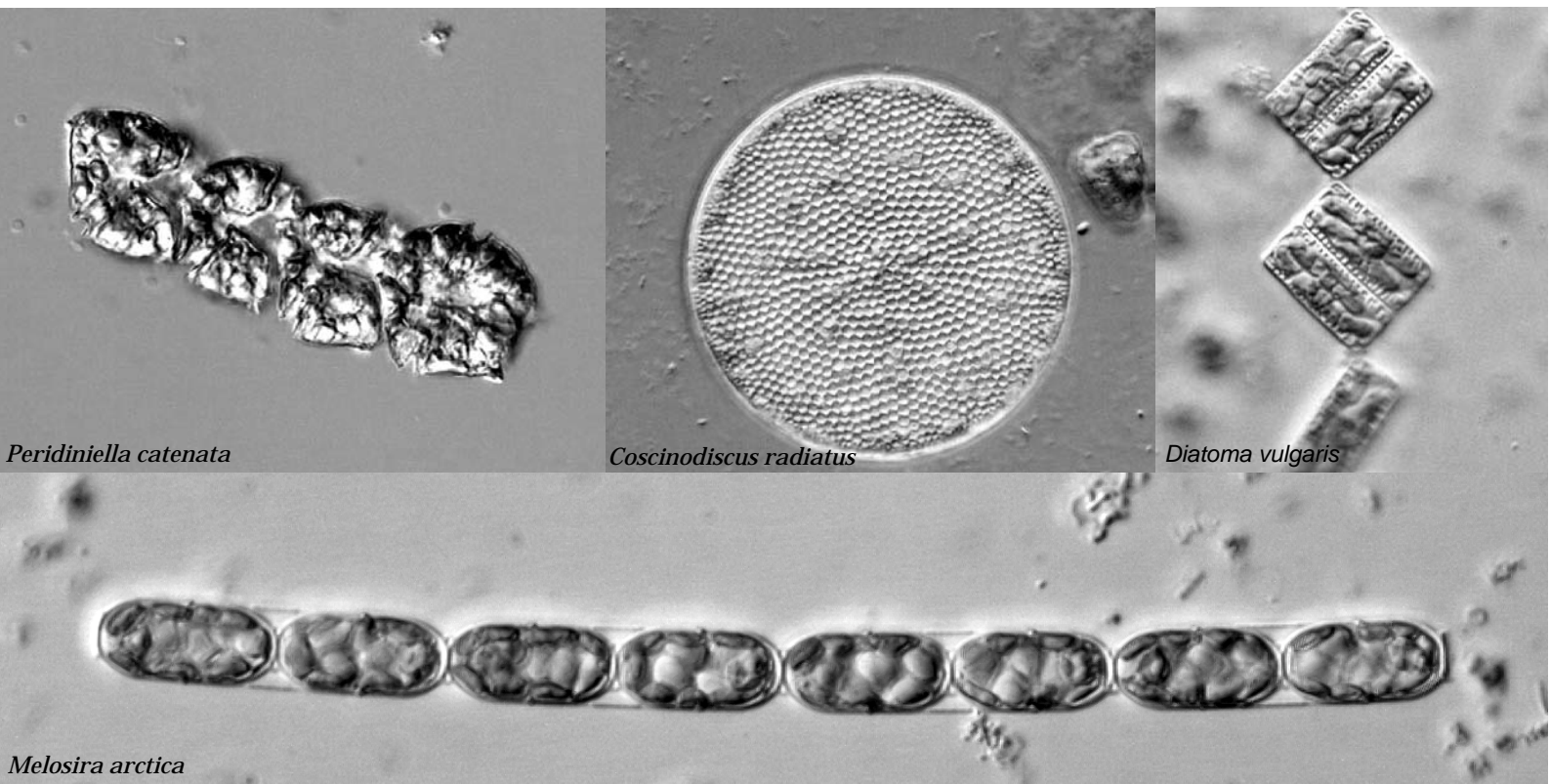
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Annex 1

Biovolumes and size-classes of phytoplankton species in the Baltic Sea

See the attached table in PDF format or view the annex in Excel format on:

http://www.helcom.fi/groups/monas/en_GB/biovolumes/



| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|---|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| Division CYANOPHYTA (CYANOBACTERIA) | | | | | | | | | | | | | | |
| Class Nostocophyceae (Cyanophyceae) | | | | | | | | | | | | | | |
| Order CHROCOCCALES | | | | | | | | | | | | | | |
| <i>Aphanocapsa conferta</i> | (W. et G.S West) Komarkova-Legnerova et Cronberg 1994 | A | sphere | 1 | cell: 1.5-2.4 | | | | | 1.8 | | 1 | 3.1 | * |
| <i>Aphanocapsa conferta</i> | (W. et G.S West) Komarkova-Legnerova et Cronberg 1994 | A | sphere | 2 | cell: 1.5-2.4 | | | | | 1.8 | | 20 | 61 | * |
| <i>Aphanocapsa conferta</i> | (W. et G.S West) Komarkova-Legnerova et Cronberg 1994 | A | sphere | 3 | cell: 1.5-2.4 | | | | | 1.8 | | 50 | 153 | * |
| <i>Aphanocapsa conferta</i> | (W. et G.S West) Komarkova-Legnerova et Cronberg 1994 | A | sphere | 4 | cell: 1.5-2.4 | | | | | 1.8 | | 100 | 305 | * |
| <i>Aphanocapsa conferta</i> | (W. et G.S West) Komarkova-Legnerova et Cronberg 1994 | A | sphere | 5 | cell: 1.5-2.4 | | | | | 1.8 | | 200 | 610 | * |
| <i>Aphanocapsa delicatissima</i> | W. & G.S. West 1912 | A | sphere | 1 | cell: 0.5-1.2 | | | | | 0.9 | | 1 | 0.3 | |
| <i>Aphanocapsa delicatissima</i> | W. & G.S. West 1912 | A | sphere | 2 | cell: 0.5-1.2 | | | | | 0.9 | | 20 | 6.4 | |
| <i>Aphanocapsa delicatissima</i> | W. & G.S. West 1912 | A | sphere | 3 | cell: 0.5-1.2 | | | | | 0.9 | | 50 | 16 | |
| <i>Aphanocapsa delicatissima</i> | W. & G.S. West 1912 | A | sphere | 4 | cell: 0.5-1.2 | | | | | 0.9 | | 100 | 32 | |
| <i>Aphanocapsa delicatissima</i> | W. & G.S. West 1912 | A | sphere | 5 | cell: 0.5-1.2 | | | | | 0.9 | | 200 | 64 | |
| <i>Aphanocapsa delicatissima</i> | W. & G.S. West 1912 | A | sphere | 6 | cell: 0.5-1.2 | | | | | 0.9 | | 400 | 129 | |
| <i>Aphanocapsa delicatissima</i> | W. & G.S. West 1912 | A | sphere | 7 | cell: 0.5-1.2 | | | | | 0.9 | | 600 | 193 | |
| <i>Aphanocapsa elachista</i> | W. & G.S. West 1894 | A | sphere | 1 | cell: 1.3-2 | | | | | 1.7 | | 1 | 2.4 | |
| <i>Aphanocapsa elachista</i> | W. & G.S. West 1894 | A | sphere | 2 | cell: 1.3-2 | | | | | 1.7 | | 20 | 47 | |
| <i>Aphanocapsa elachista</i> | W. & G.S. West 1894 | A | sphere | 3 | cell: 1.3-2 | | | | | 1.7 | | 50 | 118 | |
| <i>Aphanocapsa elachista</i> | W. & G.S. West 1894 | A | sphere | 4 | cell: 1.3-2 | | | | | 1.7 | | 100 | 235 | |
| <i>Aphanocapsa elachista</i> | W. & G.S. West 1894 | A | sphere | 5 | cell: 1.3-2 | | | | | 1.7 | | 200 | 470 | |
| <i>Aphanocapsa holsatica</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 1 | cell: 1 | | | | | 1 | | 1 | 0.5 | |
| <i>Aphanocapsa holsatica</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 2 | cell: 1 | | | | | 1 | | 20 | 10 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|--|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Aphanocapsa holsatica</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 3 | cell: 1 | | | | | 1 | | 50 | 26 | |
| <i>Aphanocapsa holsatica</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 4 | cell: 1 | | | | | 1 | | 100 | 52 | |
| <i>Aphanocapsa holsatica</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 5 | cell: 1 | | | | | 1 | | 200 | 105 | |
| <i>Aphanocapsa incerta</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 1 | cell: 1 | | | | | 1 | | 1 | 0.5 | |
| <i>Aphanocapsa incerta</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 2 | cell: 1 | | | | | 1 | | 20 | 10 | |
| <i>Aphanocapsa incerta</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 3 | cell: 1 | | | | | 1 | | 50 | 26 | |
| <i>Aphanocapsa incerta</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 4 | cell: 1 | | | | | 1 | | 100 | 52 | |
| <i>Aphanocapsa incerta</i> | (Lemmermann) Cronberg & Komárek 1994 | A | sphere | 5 | cell: 1 | | | | | 1 | | 200 | 105 | |
| <i>Aphanocapsa planctonica</i> | (G.M. Smith) Komárek & Anagnostidis 1995 | A | sphere | 1 | cell: 2-3 | | | | | 2.5 | | 1 | 8.2 | |
| <i>Aphanocapsa planctonica</i> | (G.M. Smith) Komárek & Anagnostidis 1995 | A | sphere | 2 | cell: 2-3 | | | | | 2.5 | | 20 | 164 | |
| <i>Aphanocapsa planctonica</i> | (G.M. Smith) Komárek & Anagnostidis 1995 | A | sphere | 3 | cell: 2-3 | | | | | 2.5 | | 50 | 409 | |
| <i>Aphanocapsa planctonica</i> | (G.M. Smith) Komárek & Anagnostidis 1995 | A | sphere | 4 | cell: 2-3 | | | | | 2.5 | | 100 | 818 | |
| <i>Aphanocapsa planctonica</i> | (G.M. Smith) Komárek & Anagnostidis 1995 | A | sphere | 5 | cell: 2-3 | | | | | 2.5 | | 200 | 1 635 | |
| <i>Aphanocapsa reinboldii</i> | (P. Richter) Komárek & Anagnostidis 1995 | A | sphere | 1 | cell: 3-4 | | | | | 3.5 | | 1 | 22 | |
| <i>Aphanocapsa reinboldii</i> | (P. Richter) Komárek & Anagnostidis 1995 | A | sphere | 2 | cell: 3-4 | | | | | 3.5 | | 20 | 449 | |
| <i>Aphanocapsa reinboldii</i> | (P. Richter) Komárek & Anagnostidis 1995 | A | sphere | 3 | cell: 3-4 | | | | | 3.5 | | 50 | 1 122 | |
| <i>Aphanocapsa reinboldii</i> | (P. Richter) Komárek & Anagnostidis 1995 | A | sphere | 4 | cell: 3-4 | | | | | 3.5 | | 100 | 2 244 | |
| <i>Aphanocapsa reinboldii</i> | (P. Richter) Komárek & Anagnostidis 1995 | A | sphere | 5 | cell: 3-4 | | | | | 3.5 | | 200 | 4 488 | |
| <i>Aphanocapsa rivularis</i> | (Carmichael) Rabenhorst 1865 | A | sphere | 1 | cell: 0.8-4 | | | | | 2.4 | | 1 | 7.2 | |
| <i>Aphanocapsa rivularis</i> | (Carmichael) Rabenhorst 1865 | A | sphere | 2 | cell: 0.8-4 | | | | | 2.4 | | 20 | 145 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------|-------------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Aphanocapsa rivularis</i> | (Carmichael) Rabenhorst 1865 | A | sphere | 3 | cell: 0.8-4 | | | | | 2.4 | | 50 | 362 | |
| <i>Aphanocapsa rivularis</i> | (Carmichael) Rabenhorst 1865 | A | sphere | 4 | cell: 0.8-4 | | | | | 2.4 | | 100 | 723 | |
| <i>Aphanocapsa rivularis</i> | (Carmichael) Rabenhorst 1865 | A | sphere | 5 | cell: 0.8-4 | | | | | 2.4 | | 200 | 1 447 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 1 | cell: 1-2 | | | | | 1.5 | | 1 | 1.8 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 2 | cell: 1-2 | | | | | 1.5 | | 20 | 35 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 3 | cell: 1-2 | | | | | 1.5 | | 50 | 88 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 4 | cell: 1-2 | | | | | 1.5 | | 100 | 177 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 5 | cell: 1-2 | | | | | 1.5 | | 200 | 353 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 6 | cell: 2-4 | | | | | 3 | | 1 | 14 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 7 | cell: 2-4 | | | | | 3 | | 20 | 283 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 8 | cell: 2-4 | | | | | 3 | | 50 | 707 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 9 | cell: 2-4 | | | | | 3 | | 100 | 1 413 | |
| <i>Aphanocapsa spp.</i> | | A | sphere | 10 | cell: 2-4 | | | | | 3 | | 200 | 2 826 | |
| <i>Aphanothece bachmannii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 1 | cell: 0.8-2x0.5-1 | | | | 1.25 | 0.9 | | 1 | 0.5 | |
| <i>Aphanothece bachmannii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 2 | cell: 0.8-2x0.5-1 | | | | 1.25 | 0.9 | | 20 | 11 | |
| <i>Aphanothece bachmannii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 3 | cell: 0.8-2x0.5-1 | | | | 1.25 | 0.9 | | 50 | 26 | |
| <i>Aphanothece bachmannii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 4 | cell: 0.8-2x0.5-1 | | | | 1.25 | 0.9 | | 100 | 53 | |
| <i>Aphanothece bachmannii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 5 | cell: 0.8-2x0.5-1 | | | | 1.25 | 0.9 | | 200 | 106 | |
| <i>Aphanothece castagnei</i> | (Kützing) Rabenhorst 1865 | A | rotational ellipsoid | 1 | cell: 4-8x2-4.8 | | | | 6 | 3.9 | | 1 | 48 | |
| <i>Aphanothece castagnei</i> | (Kützing) Rabenhorst 1865 | A | rotational ellipsoid | 2 | cell: 4-8x2-4.8 | | | | 6 | 3.9 | | 20 | 955 | |
| <i>Aphanothece castagnei</i> | (Kützing) Rabenhorst 1865 | A | rotational ellipsoid | 3 | cell: 4-8x2-4.8 | | | | 6 | 3.9 | | 50 | 2 388 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|---|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Aphanothece castagnei</i> | (Kützing) Rabenhorst 1865 | A | rotational ellipsoid | 4 | cell: 4-8x2-4.8 | | | | 6 | 3.9 | | 100 | 4 776 | |
| <i>Aphanothece castagnei</i> | (Kützing) Rabenhorst 1865 | A | rotational ellipsoid | 5 | cell: 4-8x2-4.8 | | | | 6 | 3.9 | | 200 | 9 552 | |
| <i>Aphanothece clathrata</i> | W. & G.S. West 1906 | A | rotational ellipsoid | 1 | cell: 0.8-3.5x0.4-2 | | | | 2.5 | 1.2 | | 1 | 1.9 | |
| <i>Aphanothece clathrata</i> | W. & G.S. West 1906 | A | rotational ellipsoid | 2 | cell: 0.8-3.5x0.4-2 | | | | 2.5 | 1.2 | | 20 | 38 | |
| <i>Aphanothece clathrata</i> | W. & G.S. West 1906 | A | rotational ellipsoid | 3 | cell: 0.8-3.5x0.4-2 | | | | 2.5 | 1.2 | | 50 | 94 | |
| <i>Aphanothece clathrata</i> | W. & G.S. West 1906 | A | rotational ellipsoid | 4 | cell: 0.8-3.5x0.4-2 | | | | 2.5 | 1.2 | | 100 | 188 | |
| <i>Aphanothece clathrata</i> | W. & G.S. West 1906 | A | rotational ellipsoid | 5 | cell: 0.8-3.5x0.4-2 | | | | 2.5 | 1.2 | | 200 | 377 | |
| <i>Aphanothece minutissima</i> | (W. West) Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 1 | cell: 1-2x0.8-1 | | | | 1.5 | 0.9 | | 1 | 0.6 | |
| <i>Aphanothece minutissima</i> | (W. West) Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 2 | cell: 1-2x0.8-1 | | | | 1.5 | 0.9 | | 20 | 13 | |
| <i>Aphanothece minutissima</i> | (W. West) Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 3 | cell: 1-2x0.8-1 | | | | 1.5 | 0.9 | | 50 | 32 | |
| <i>Aphanothece minutissima</i> | (W. West) Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 4 | cell: 1-2x0.8-1 | | | | 1.5 | 0.9 | | 100 | 64 | |
| <i>Aphanothece minutissima</i> | (W. West) Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 5 | cell: 1-2x0.8-1 | | | | 1.5 | 0.9 | | 200 | 127 | |
| <i>Aphanothece smithii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 1 | cell: 2-3.5x1-1.5 | | | | 2.75 | 1.3 | | 1 | 2.2 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------------|--|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Aphanothece smithii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 2 | cell: 2-3.5x1-1.5 | | | | 2.75 | 1.3 | | 20 | 45 | |
| <i>Aphanothece smithii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 3 | cell: 2-3.5x1-1.5 | | | | 2.75 | 1.3 | | 50 | 112 | |
| <i>Aphanothece smithii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 4 | cell: 2-3.5x1-1.5 | | | | 2.75 | 1.3 | | 100 | 225 | |
| <i>Aphanothece smithii</i> | Komárková-Legnerová & Cronberg 1994 | A | rotational ellipsoid | 5 | cell: 2-3.5x1-1.5 | | | | 2.75 | 1.3 | | 200 | 450 | |
| <i>Aphanothece stagnina</i> | (Sprengel) A. Braun in Rabenhorst 1865 | A | rotational ellipsoid | 1 | cell: 3.8-9x3-5 | | | | 6.4 | 4 | | 1 | 54 | |
| <i>Aphanothece stagnina</i> | (Sprengel) A. Braun in Rabenhorst 1865 | A | rotational ellipsoid | 2 | cell: 3.8-9x3-5 | | | | 6.4 | 4 | | 20 | 1 072 | |
| <i>Aphanothece stagnina</i> | (Sprengel) A. Braun in Rabenhorst 1865 | A | rotational ellipsoid | 3 | cell: 3.8-9x3-5 | | | | 6.4 | 4 | | 50 | 2 679 | |
| <i>Aphanothece stagnina</i> | (Sprengel) A. Braun in Rabenhorst 1865 | A | rotational ellipsoid | 4 | cell: 3.8-9x3-5 | | | | 6.4 | 4 | | 100 | 5 359 | |
| <i>Aphanothece stagnina</i> | (Sprengel) A. Braun in Rabenhorst 1865 | A | rotational ellipsoid | 5 | cell: 3.8-9x3-5 | | | | 6.4 | 4 | | 200 | 10 718 | |
| <i>Aphanothece parallelliformis</i> | Cronberg 2003 | A | cylinder | | cell: 1.5-2x0.8-1 | | | | 1.8 | 0.9 | | 1 | 1.1 | |
| <i>Aphanothece spp.</i> | | A | rotational ellipsoid | 1 | cell: 1-2 | | | | 2 | 1 | | 1 | 1.0 | |
| <i>Aphanothece spp.</i> | | A | rotational ellipsoid | 2 | cell: 1-2 | | | | 2 | 1 | | 20 | 21 | |
| <i>Aphanothece spp.</i> | | A | rotational ellipsoid | 3 | cell: 1-2 | | | | 2 | 1 | | 50 | 52 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Aphanothece spp.</i> | A | rotational ellipsoid | 4 | cell: 1-2 | | | | 2 | 1 | | 100 | 105 | |
| <i>Aphanothece spp.</i> | A | rotational ellipsoid | 5 | cell: 1-2 | | | | 2 | 1 | | 200 | 209 | |
| <i>Aphanothece spp.</i> | A | rotational ellipsoid | 6 | cell: 2-4 | | | | 3 | 2 | | 1 | 6.3 | |
| <i>Aphanothece spp.</i> | A | rotational ellipsoid | 7 | cell: 2-4 | | | | 3 | 2 | | 20 | 126 | |
| <i>Aphanothece spp.</i> | A | rotational ellipsoid | 8 | cell: 2-4 | | | | 3 | 2 | | 50 | 314 | |
| <i>Aphanothece spp.</i> | A | rotational ellipsoid | 9 | cell: 2-4 | | | | 3 | 2 | | 100 | 628 | |
| <i>Aphanothece spp.</i> | A | rotational ellipsoid | 10 | cell: 2-4 | | | | 3 | 2 | | 200 | 1 256 | |
| <i>Chroococcales</i> , unidentified | A | sphere | 1 | cell: <2 | | | | | 1.5 | | 1 | 1.8 | |
| <i>Chroococcales</i> , unidentified | A | sphere | 2 | cell: <2 | | | | | 1.5 | | 20 | 35 | |
| <i>Chroococcales</i> , unidentified | A | sphere | 3 | cell: <2 | | | | | 1.5 | | 50 | 88 | |
| <i>Chroococcales</i> , unidentified | A | sphere | 4 | cell: <2 | | | | | 1.5 | | 100 | 177 | |
| <i>Chroococcales</i> , unidentified | A | sphere | 5 | cell: <2 | | | | | 1.5 | | 200 | 353 | |
| <i>Chroococcales</i> , unidentified | A | sphere | 6 | cell: 2-3 | | | | | 2.5 | | 1 | 8.2 | |
| <i>Chroococcales</i> , unidentified | A | sphere | 7 | cell: 2-3 | | | | | 2.5 | | 20 | 164 | |
| <i>Chroococcales</i> , unidentified | A | sphere | 8 | cell: 2-3 | | | | | 2.5 | | 50 | 409 | |
| <i>Chroococcales</i> , unidentified | A | sphere | 9 | cell: 2-3 | | | | | 2.5 | | 100 | 818 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------------|--|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chroococcales</i> , unidentified | A | sphere | 10 | cell: 2-3 | | | | | 2.5 | | 200 | 1 635 | |
| <i>Chroococcales</i> , unidentified | A | rotational ellipsoid | 11 | cell: <2 | | | | 2 | 1 | | 1 | 1.0 | |
| <i>Chroococcales</i> , unidentified | A | rotational ellipsoid | 12 | cell: <2 | | | | 2 | 1 | | 20 | 21 | |
| <i>Chroococcales</i> , unidentified | A | rotational ellipsoid | 13 | cell: <2 | | | | 2 | 1 | | 50 | 52 | |
| <i>Chroococcales</i> , unidentified | A | rotational ellipsoid | 14 | cell: <2 | | | | 2 | 1 | | 100 | 105 | |
| <i>Chroococcales</i> , unidentified | A | rotational ellipsoid | 15 | cell: <2 | | | | 2 | 1 | | 200 | 209 | |
| <i>Chroococcus aphanocapsoides</i> | Skuja 1964 | A | sphere | 1 | cell: 2 | | | | 2 | | 1 | 4.2 | |
| <i>Chroococcus aphanocapsoides</i> | Skuja 1964 | A | sphere | 2 | cell: 3 | | | | 3 | | 1 | 14 | |
| <i>Chroococcus cumulatus</i> | Bachmann 1921 | A | sphere | | cell: 5-7 | | | | 6 | | 1 | 113 | |
| <i>Chroococcus dispersus</i> | (von Keissler) Lemmermann 1904 | A | sphere | 1 | cell: 3 | | | | 3 | | 1 | 14 | |
| <i>Chroococcus dispersus</i> | (von Keissler) Lemmermann 1904 | A | sphere | 2 | cell: 4 | | | | 4 | | 1 | 33 | |
| <i>Chroococcus distans</i> | (G.M. Smith) Komárková-Legnerová & Cronberg 1994 | A | sphere | | cell: 5.5-7.5 | | | | 6.5 | | 1 | 144 | |
| <i>Chroococcus limneticus</i> | Lemmermann 1898 | A | sphere | 1 | cell: 6-8 | | | | 7 | | 1 | 180 | |
| <i>Chroococcus limneticus</i> | Lemmermann 1898 | A | sphere | 2 | cell: 8-12 | | | | 10 | | 1 | 523 | |
| <i>Chroococcus microscopicus</i> | Komárková-Legnerová & Cronberg 1994 | A | sphere | 1 | cell: 0.7-1 | | | | 0.9 | | 1 | 0.3 | |
| <i>Chroococcus microscopicus</i> | Komárková-Legnerová & Cronberg 1994 | A | sphere | 2 | cell: 0.7-1 | | | | 0.9 | | 20 | 6.4 | |
| <i>Chroococcus microscopicus</i> | Komárková-Legnerová & Cronberg 1994 | A | sphere | 3 | cell: 0.7-1 | | | | 0.9 | | 50 | 16 | |
| <i>Chroococcus microscopicus</i> | Komárková-Legnerová & Cronberg 1994 | A | sphere | 4 | cell: 0.7-1 | | | | 0.9 | | 100 | 32 | |
| <i>Chroococcus microscopicus</i> | Komárková-Legnerová & Cronberg 1994 | A | sphere | 5 | cell: 0.7-1 | | | | 0.9 | | 200 | 64 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------------|--------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chroococcus minimus</i> | (von Keissler) Lemmermann 1904 | A | sphere | | cell: 1.7-3 | | | | | 2.5 | | 1 | 8.2 | |
| <i>Chroococcus minor</i> | (Kützing) Nägeli 1849 | A | sphere | | cell: 3-4 | | | | | 3.5 | | 1 | 22 | |
| <i>Chroococcus minutus</i> | (Kützing) Nägeli 1849 | A | sphere | | cell: 4-10 | | | | | 6 | | 1 | 113 | |
| <i>Chroococcus turgidus</i> | (Kützing) Nägeli 1849 | A | sphere | 1 | cell: 6-10 | | | | | 8.7 | | 1 | 345 | |
| <i>Chroococcus turgidus</i> | (Kützing) Nägeli 1849 | A | sphere | 2 | cell: 10-20 | | | | | 15 | | 1 | 1 766 | |
| <i>Chroococcus turgidus</i> | (Kützing) Nägeli 1849 | A | sphere | 3 | cell: 20-30 | | | | | 25 | | 1 | 8 177 | |
| <i>Chroococcus spp.</i> | | A | sphere | 1 | cell: <2 | | | | | 1 | | 1 | 0.5 | |
| <i>Chroococcus spp.</i> | | A | sphere | 2 | cell: 2-4 | | | | | 3 | | 1 | 14 | |
| <i>Chroococcus spp.</i> | | A | sphere | 3 | cell: 4-6 | | | | | 5 | | 1 | 65 | |
| <i>Chroococcus spp.</i> | | A | sphere | 4 | cell: 6-8 | | | | | 7 | | 1 | 180 | |
| <i>Chroococcus spp.</i> | | A | sphere | 5 | cell: 8-10 | | | | | 9 | | 1 | 382 | |
| <i>Chroococcus spp.</i> | | A | sphere | 6 | cell: 10-20 | | | | | 15 | | 1 | 1 766 | |
| <i>Chroococcus spp.</i> | | A | sphere | 7 | cell: 20-30 | | | | | 25 | | 1 | 8 177 | |
| <i>Coelomoron pusillum</i> | (van Goor) Komárek 1989 | A | rotational ellipsoid | 1 | cell: 2x3 | | | | 3 | 2 | | 1 | 6.3 | |
| <i>Coelomoron pusillum</i> | (van Goor) Komárek 1989 | A | rotational ellipsoid | 2 | cell: 2x3 | | | | 3 | 2 | | 10 | 63 | |
| <i>Coelomoron pusillum</i> | (van Goor) Komárek 1989 | A | rotational ellipsoid | 3 | cell: 2x3 | | | | 3 | 2 | | 20 | 126 | |
| <i>Coelomoron spp.</i> | | A | rotational ellipsoid | 1 | cell: 2x3 | | | | 3 | 2 | | 1 | 6.3 | |
| <i>Coelomoron spp.</i> | | A | rotational ellipsoid | 2 | cell: 2x3 | | | | 3 | 2 | | 10 | 63 | |
| <i>Coelomoron spp.</i> | | A | rotational ellipsoid | 3 | cell: 2x3 | | | | 3 | 2 | | 20 | 126 | |
| <i>Coelosphaerium dubium</i> | Grunow in Rabenhorst 1865 | A | sphere | 1 | cell: 5-7 | | | | | 6 | | 1 | 113 | |
| <i>Coelosphaerium dubium</i> | Grunow in Rabenhorst 1865 | A | sphere | 2 | cell: 5-7 | | | | | 6 | | 20 | 2 261 | |
| <i>Coelosphaerium dubium</i> | Grunow in Rabenhorst 1865 | A | sphere | 3 | cell: 5-7 | | | | | 6 | | 50 | 5 652 | |
| <i>Coelosphaerium dubium</i> | Grunow in Rabenhorst 1865 | A | sphere | 4 | cell: 5-7 | | | | | 6 | | 100 | 11 304 | |
| <i>Coelosphaerium dubium</i> | Grunow in Rabenhorst 1865 | A | sphere | 5 | cell: 5-7 | | | | | 6 | | 200 | 22 608 | |
| <i>Coelosphaerium kuetzingianum</i> | Nägeli 1849 | A | sphere | 1 | cell: 2-4 | | | | | 3 | | 1 | 14 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, µm | Length, µm | | Width µm | Height µm | Diameter, µm | | Number of cells/ counting unit | Calculated volume, µm ³ | Comment |
|-------------------------------------|------------------------------------|--------|-----------------|---------------|---------------------|----------------|----------------|----------|-----------|----------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Coelosphaerium kuetzingianum</i> | Nägeli 1849 | A | sphere | 2 | cell: 2-4 | | | | | 3 | | 20 | 283 | |
| <i>Coelosphaerium kuetzingianum</i> | Nägeli 1849 | A | sphere | 3 | cell: 2-4 | | | | | 3 | | 50 | 707 | |
| <i>Coelosphaerium kuetzingianum</i> | Nägeli 1849 | A | sphere | 4 | cell: 2-4 | | | | | 3 | | 100 | 1 413 | |
| <i>Coelosphaerium kuetzingianum</i> | Nägeli 1849 | A | sphere | 5 | cell: 2-4 | | | | | 3 | | 200 | 2 826 | |
| <i>Coelosphaerium minutissimum</i> | Lemmermann 1900 | A | sphere | 1 | cell: 1.4 | | | | | 1.4 | | 1 | 1.4 | |
| <i>Coelosphaerium minutissimum</i> | Lemmermann 1900 | A | sphere | 2 | cell: 1.4 | | | | | 1.4 | | 20 | 29 | |
| <i>Coelosphaerium minutissimum</i> | Lemmermann 1900 | A | sphere | 3 | cell: 1.4 | | | | | 1.4 | | 50 | 72 | |
| <i>Coelosphaerium minutissimum</i> | Lemmermann 1900 | A | sphere | 4 | cell: 1.4 | | | | | 1.4 | | 100 | 144 | |
| <i>Coelosphaerium minutissimum</i> | Lemmermann 1900 | A | sphere | 5 | cell: 1.4 | | | | | 1.4 | | 200 | 287 | |
| <i>Coelosphaerium subarcticum</i> | Komárek & Komárková-Legnerová 1992 | A | sphere | 1 | cell: 1.2-1.6 | | | | | 1.4 | | 1 | 1.4 | |
| <i>Coelosphaerium subarcticum</i> | Komárek & Komárková-Legnerová 1992 | A | sphere | 2 | cell: 1.2-1.6 | | | | | 1.4 | | 20 | 29 | |
| <i>Coelosphaerium subarcticum</i> | Komárek & Komárková-Legnerová 1992 | A | sphere | 3 | cell: 1.2-1.6 | | | | | 1.4 | | 50 | 72 | |
| <i>Coelosphaerium subarcticum</i> | Komárek & Komárková-Legnerová 1992 | A | sphere | 4 | cell: 1.2-1.6 | | | | | 1.4 | | 100 | 144 | |
| <i>Coelosphaerium subarcticum</i> | Komárek & Komárková-Legnerová 1992 | A | sphere | 5 | cell: 1.2-1.6 | | | | | 1.4 | | 200 | 287 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 1 | cell: 1-2 | | | | | 1.5 | | 1 | 1.8 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 2 | cell: 1-2 | | | | | 1.5 | | 20 | 35 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 3 | cell: 1-2 | | | | | 1.5 | | 50 | 88 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 4 | cell: 1-2 | | | | | 1.5 | | 100 | 177 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 5 | cell: 1-2 | | | | | 1.5 | | 200 | 353 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 6 | cell: 2-4 | | | | | 3 | | 1 | 14 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 7 | cell: 2-4 | | | | | 3 | | 20 | 283 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 8 | cell: 2-4 | | | | | 3 | | 50 | 707 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 9 | cell: 2-4 | | | | | 3 | | 100 | 1 413 | |
| <i>Coelosphaerium spp.</i> | | A | sphere | 10 | cell: 2-4 | | | | | 3 | | 200 | 2 826 | |
| <i>Cyanodictyon balticum</i> | Cronberg 2003 | A | cylinder | 1 | cell: 1x1.5 | | | | 1.2 | 1 | | 1 | 0.9 | * |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|----------------------------------|---------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Cyanodictyon balticum</i> | Cronberg 2003 | A | cylinder | 2 | cell: 1x1.5 | | | | 1.2 | 1 | | 20 | 19 | * |
| <i>Cyanodictyon balticum</i> | Cronberg 2003 | A | cylinder | 3 | cell: 1x1.5 | | | | 1.2 | 1 | | 50 | 47 | * |
| <i>Cyanodictyon balticum</i> | Cronberg 2003 | A | cylinder | 4 | cell: 1x1.5 | | | | 1.2 | 1 | | 100 | 94 | * |
| <i>Cyanodictyon balticum</i> | Cronberg 2003 | A | cylinder | 5 | cell: 1x1.5 | | | | 1.2 | 1 | | 200 | 188 | * |
| <i>Cyanodictyon imperfectum</i> | Cronberg & Weibull 1981 | A | sphere | 1 | cell: 0.4-1 | | | | | 0.8 | | 1 | 0.3 | |
| <i>Cyanodictyon imperfectum</i> | Cronberg & Weibull 1981 | A | sphere | 2 | cell: 0.4-1 | | | | | 0.8 | | 20 | 5.4 | |
| <i>Cyanodictyon imperfectum</i> | Cronberg & Weibull 1981 | A | sphere | 3 | cell: 0.4-1 | | | | | 0.8 | | 50 | 13 | |
| <i>Cyanodictyon imperfectum</i> | Cronberg & Weibull 1981 | A | sphere | 4 | cell: 0.4-1 | | | | | 0.8 | | 100 | 27 | |
| <i>Cyanodictyon imperfectum</i> | Cronberg & Weibull 1981 | A | sphere | 5 | cell: 0.4-1 | | | | | 0.8 | | 200 | 54 | |
| <i>Cyanodictyon imperfectum</i> | Cronberg & Weibull 1981 | A | sphere | 6 | cell: 0.4-1 | | | | | 0.8 | | 400 | 107 | |
| <i>Cyanodictyon planctonicum</i> | Meyer 1994 | A | rotational ellipsoid | 1 | cell: 0.8-1x1-2 | | | | 1.5 | 0.9 | | 1 | 0.6 | |
| <i>Cyanodictyon planctonicum</i> | Meyer 1994 | A | rotational ellipsoid | 2 | cell: 0.8-1x1-2 | | | | 1.5 | 0.9 | | 20 | 13 | |
| <i>Cyanodictyon planctonicum</i> | Meyer 1994 | A | rotational ellipsoid | 3 | cell: 0.8-1x1-2 | | | | 1.5 | 0.9 | | 50 | 32 | |
| <i>Cyanodictyon planctonicum</i> | Meyer 1994 | A | rotational ellipsoid | 4 | cell: 0.8-1x1-2 | | | | 1.5 | 0.9 | | 100 | 64 | |
| <i>Cyanodictyon planctonicum</i> | Meyer 1994 | A | rotational ellipsoid | 5 | cell: 0.8-1x1-2 | | | | 1.5 | 0.9 | | 200 | 127 | |
| <i>Cyanodictyon reticulatum</i> | (Lemmermann) Geitler 1925 | A | sphere | 1 | cell: 1-1.5 | | | | | 1.3 | | 1 | 1.0 | |
| <i>Cyanodictyon reticulatum</i> | (Lemmermann) Geitler 1925 | A | sphere | 2 | cell: 1-1.5 | | | | | 1.3 | | 20 | 20 | |
| <i>Cyanodictyon reticulatum</i> | (Lemmermann) Geitler 1925 | A | sphere | 3 | cell: 1-1.5 | | | | | 1.3 | | 50 | 51 | |
| <i>Cyanodictyon reticulatum</i> | (Lemmermann) Geitler 1925 | A | sphere | 4 | cell: 1-1.5 | | | | | 1.3 | | 100 | 102 | |
| <i>Cyanodictyon reticulatum</i> | (Lemmermann) Geitler 1925 | A | sphere | 5 | cell: 1-1.5 | | | | | 1.3 | | 200 | 204 | |
| <i>Cyanodictyon tubiforme</i> | Cronberg 1988 | A | rotational ellipsoid | 1 | cell: 1.9-2.2x2.2-3.8 | | | | 3 | 2 | | 1 | 6.3 | * |
| <i>Cyanodictyon tubiforme</i> | Cronberg 1988 | A | rotational ellipsoid | 2 | cell: 1.9-2.2x2.2-3.8 | | | | 3 | 2 | | 20 | 126 | * |
| <i>Cyanodictyon tubiforme</i> | Cronberg 1988 | A | rotational ellipsoid | 3 | cell: 1.9-2.2x2.2-3.8 | | | | 3 | 2 | | 50 | 314 | * |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------|---------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Cyanodictyon tubiforme</i> | Cronberg 1988 | A | rotational ellipsoid | 4 | cell: 1.9-2.2x2.2-3.8 | | | | 3 | 2 | | 100 | 628 | * |
| <i>Cyanodictyon tubiforme</i> | Cronberg 1988 | A | rotational ellipsoid | 5 | cell: 1.9-2.2x2.2-3.8 | | | | 3 | 2 | | 200 | 1 256 | * |
| <i>Cyanodictyon spp.</i> | | A | sphere | 1 | cell: 1-3 | | | | | 2 | | 1 | 4.2 | |
| <i>Cyanodictyon spp.</i> | | A | sphere | 2 | cell: 1-3 | | | | | 2 | | 20 | 84 | |
| <i>Cyanodictyon spp.</i> | | A | sphere | 3 | cell: 1-3 | | | | | 2 | | 50 | 209 | |
| <i>Cyanodictyon spp.</i> | | A | sphere | 4 | cell: 1-3 | | | | | 2 | | 100 | 419 | |
| <i>Cyanodictyon spp.</i> | | A | sphere | 5 | cell: 1-3 | | | | | 2 | | 200 | 837 | |
| <i>Cyanodictyon spp.</i> | | A | cylinder | 6 | cell: 1x1.5 | | | | 1.2 | 1.0 | | 1 | 0.9 | |
| <i>Cyanodictyon spp.</i> | | A | cylinder | 7 | cell: 1x1.5 | | | | 1.2 | 1.0 | | 20 | 19 | |
| <i>Cyanodictyon spp.</i> | | A | cylinder | 8 | cell: 1x1.5 | | | | 1.2 | 1.0 | | 50 | 47 | |
| <i>Cyanodictyon spp.</i> | | A | cylinder | 9 | cell: 1x1.5 | | | | 1.2 | 1.0 | | 100 | 94 | |
| <i>Cyanodictyon spp.</i> | | A | cylinder | 10 | cell: 1x1.5 | | | | 1.2 | 1.0 | | 200 | 188 | |
| <i>Cyanonephron styloides</i> | Hickel 1985 | A | rotational ellipsoid | 1 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 1 | 1.6 | |
| <i>Cyanonephron styloides</i> | Hickel 1985 | A | rotational ellipsoid | 2 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 20 | 31 | |
| <i>Cyanonephron styloides</i> | Hickel 1985 | A | rotational ellipsoid | 3 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 50 | 79 | |
| <i>Cyanonephron styloides</i> | Hickel 1985 | A | rotational ellipsoid | 4 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 100 | 157 | |
| <i>Cyanonephron styloides</i> | Hickel 1985 | A | rotational ellipsoid | 5 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 200 | 314 | |
| <i>Cyanonephron spp.</i> | | A | rotational ellipsoid | 1 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 1 | 1.6 | |
| <i>Cyanonephron spp.</i> | | A | rotational ellipsoid | 2 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 20 | 31 | |
| <i>Cyanonephron spp.</i> | | A | rotational ellipsoid | 3 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 50 | 79 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|---------------------------|------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Cyanonephron spp.</i> | A | rotational ellipsoid | 4 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 100 | 157 | |
| <i>Cyanonephron spp.</i> | A | rotational ellipsoid | 5 | cell: 0.8-1.2x2-5.5 | | | | 3 | 1 | | 200 | 314 | |
| <i>Eucapsis alpina</i> | Clements & Shantz 1909 | A sphere | | cell: 5-7 | | | | | 6 | | 1 | 113 | |
| <i>Eucapsis minuta</i> | Fritsch 1912 | A sphere | | cell: 2-4 | | | | | 3 | | 1 | 14 | |
| <i>Eucapsis spp.</i> | | A sphere | | cell: 2-4 | | | | | 3 | | 1 | 14 | |
| <i>Gomphosphaeria aponina</i> | Kützing 1836 | A rotational ellipsoid | 1 | cell: 8-12x4-6.5 | | | | 10 | 5.2 | | 1 | 142 | |
| <i>Gomphosphaeria aponina</i> | Kützing 1836 | A rotational ellipsoid | 2 | cell: 8-12x4-6.5 | | | | 10 | 5.2 | | 20 | 2 830 | |
| <i>Gomphosphaeria aponina</i> | Kützing 1836 | A rotational ellipsoid | 3 | cell: 8-12x4-6.5 | | | | 10 | 5.2 | | 50 | 7 075 | |
| <i>Gomphosphaeria salina</i> | Komárek & Hindák 1988 | A rotational ellipsoid | 1 | cell: 10.4-15x4-6(10) | | | | 12.7 | 5 | | 1 | 166 | |
| <i>Gomphosphaeria salina</i> | Komárek & Hindák 1988 | A rotational ellipsoid | 2 | cell: 10.4-15x4-6(10) | | | | 12.7 | 5 | | 20 | 3 323 | |
| <i>Gomphosphaeria salina</i> | Komárek & Hindák 1988 | A rotational ellipsoid | 3 | cell: 10.4-15x4-6(10) | | | | 12.7 | 5 | | 50 | 8 308 | |
| <i>Gomphosphaeria spp.</i> | | A rotational ellipsoid | 1 | cell: 3-4x6-8 | | | | 7 | 3.5 | | 1 | 45 | |
| <i>Gomphosphaeria spp.</i> | | A rotational ellipsoid | 2 | cell: 3-4x6-8 | | | | 7 | 3.5 | | 20 | 898 | |
| <i>Gomphosphaeria spp.</i> | | A rotational ellipsoid | 3 | cell: 3-4x6-8 | | | | 7 | 3.5 | | 50 | 2 244 | |
| <i>Lemmermanniella pallida</i> | (Lemmermann) Geitler 1942 | A cylinder | 1 | cell: 0.5-1.6x1.1-3.7 | | | | 3 | 1 | | 1 | 2.4 | |
| <i>Lemmermanniella pallida</i> | (Lemmermann) Geitler 1942 | A cylinder | 2 | cell: 0.5-1.6x1.1-3.7 | | | | 3 | 1 | | 20 | 47 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|---------------------------------|---------------------------|-----------------|----------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Lemmermanniella pallida</i> | (Lemmermann) Geitler 1942 | A | cylinder | 3 | cell: 0.5-1.6x1.1-3.7 | | | | 3 | 1 | | 50 | 118 | |
| <i>Lemmermanniella pallida</i> | (Lemmermann) Geitler 1942 | A | cylinder | 4 | cell: 0.5-1.6x1.1-3.7 | | | | 3 | 1 | | 100 | 236 | |
| <i>Lemmermanniella pallida</i> | (Lemmermann) Geitler 1942 | A | cylinder | 5 | cell: 0.5-1.6x1.1-3.7 | | | | 3 | 1 | | 200 | 471 | |
| <i>Lemmermanniella parva</i> | Hindák 1985 | A | cylinder | 1 | cell: 0.8-1x1-1.8 | | | | 1.4 | 0.9 | | 1 | 0.9 | |
| <i>Lemmermanniella parva</i> | Hindák 1985 | A | cylinder | 2 | cell: 0.8-1x1-1.8 | | | | 1.4 | 0.9 | | 20 | 18 | |
| <i>Lemmermanniella parva</i> | Hindák 1985 | A | cylinder | 3 | cell: 0.8-1x1-1.8 | | | | 1.4 | 0.9 | | 50 | 45 | |
| <i>Lemmermanniella parva</i> | Hindák 1985 | A | cylinder | 4 | cell: 0.8-1x1-1.8 | | | | 1.4 | 0.9 | | 100 | 89 | |
| <i>Lemmermanniella parva</i> | Hindák 1985 | A | cylinder | 5 | cell: 0.8-1x1-1.8 | | | | 1.4 | 0.9 | | 200 | 178 | |
| <i>Lemmermanniella spp.</i> | | A | cylinder | 1 | cell: 0.5-3 | | | | 2 | 1 | | 1 | 1.6 | |
| <i>Lemmermanniella spp.</i> | | A | cylinder | 2 | cell: 0.5-3 | | | | 2 | 1 | | 20 | 31 | |
| <i>Lemmermanniella spp.</i> | | A | cylinder | 3 | cell: 0.5-3 | | | | 2 | 1 | | 50 | 79 | |
| <i>Lemmermanniella spp.</i> | | A | cylinder | 4 | cell: 0.5-3 | | | | 2 | 1 | | 100 | 157 | |
| <i>Lemmermanniella spp.</i> | | A | cylinder | 5 | cell: 0.5-3 | | | | 2 | 1 | | 200 | 314 | |
| <i>Merismopedia elegans</i> | A. Braun in Kützing 1849 | A | rotational ellipsoid | 1 | cell: 5-9x5-7 | | | | 7 | 6 | | 1 | 132 | |
| <i>Merismopedia elegans</i> | A. Braun in Kützing 1849 | A | rotational ellipsoid | 2 | cell: 5-9x5-7 | | | | 7 | 6 | | 4 | 528 | |
| <i>Merismopedia glauca</i> | (Ehrenberg) Kützing 1845 | A | sphere | 1 | cell: 3-6 | | | | | 5 | | 1 | 65 | |
| <i>Merismopedia glauca</i> | (Ehrenberg) Kützing 1845 | A | sphere | 2 | cell: 3-6 | | | | | 5 | | 4 | 262 | |
| <i>Merismopedia punctata</i> | Meyen 1839 | A | sphere | 1 | cell: 2.5-3.6 | | | | | 3 | | 1 | 14 | |
| <i>Merismopedia punctata</i> | Meyen 1839 | A | sphere | 2 | cell: 2.5-3.6 | | | | | 3 | | 4 | 57 | |
| <i>Merismopedia punctata</i> | Meyen 1839 | A | sphere | 3 | cell: 2.5-3.6 | | | | | 3 | | 16 | 226 | |
| <i>Merismopedia tenuissima</i> | Lemmermann 1898 | A | sphere | 1 | cell: 0.4-2.5 | | | | | 1.5 | | 1 | 1.8 | |
| <i>Merismopedia tenuissima</i> | Lemmermann 1898 | A | sphere | 2 | cell: 0.4-2.5 | | | | | 1.5 | | 16 | 28 | |
| <i>Merismopedia tenuissima</i> | Lemmermann 1898 | A | sphere | 3 | cell: 0.4-2.5 | | | | | 1.5 | | 32 | 57 | |
| <i>Merismopedia tenuissima</i> | Lemmermann 1898 | A | sphere | 4 | cell: 0.4-2.5 | | | | | 1.5 | | 64 | 113 | |
| <i>Merismopedia tenuissima</i> | Lemmermann 1898 | A | sphere | 5 | cell: 0.4-2.5 | | | | | 1.5 | | 96 | 170 | |
| <i>Merismopedia warmingiana</i> | (Lagerheim) Geitler 1932 | A | sphere | 1 | cell: 0.5-1.2 | | | | | 0.8 | | 1 | 0.3 | |
| <i>Merismopedia warmingiana</i> | (Lagerheim) Geitler 1932 | A | sphere | 2 | cell: 0.5-1.2 | | | | | 0.8 | | 4 | 1.1 | |
| <i>Merismopedia warmingiana</i> | (Lagerheim) Geitler 1932 | A | sphere | 3 | cell: 0.5-1.2 | | | | | 0.8 | | 8 | 2.1 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------------|--|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Merismopedia warmingiana</i> | (Lagerheim) Geitler 1932 | A | sphere | 4 | cell: 0.5-1.2 | | | | | 0.8 | | 16 | 4.3 | |
| <i>Merismopedia warmingiana</i> | (Lagerheim) Geitler 1932 | A | sphere | 5 | cell: 0.5-1.2 | | | | | 0.8 | | 32 | 8.6 | |
| <i>Merismopedia warmingiana</i> | (Lagerheim) Geitler 1932 | A | sphere | 6 | cell: 0.5-1.2 | | | | | 0.8 | | 64 | 17 | |
| <i>Merismopedia spp.</i> | | A | sphere | 1 | cell: <0.5 | | | | | 0.5 | | 1 | 0.1 | |
| <i>Merismopedia spp.</i> | | A | sphere | 2 | cell: <0.5 | | | | | 0.5 | | 4 | 0.3 | |
| <i>Merismopedia spp.</i> | | A | sphere | 3 | cell: <0.5 | | | | | 0.5 | | 8 | 0.5 | |
| <i>Merismopedia spp.</i> | | A | sphere | 4 | cell: <0.5 | | | | | 0.5 | | 16 | 1.0 | |
| <i>Merismopedia spp.</i> | | A | sphere | 5 | cell: <0.5 | | | | | 0.5 | | 32 | 2.1 | |
| <i>Merismopedia spp.</i> | | A | sphere | 6 | cell: <0.5 | | | | | 0.5 | | 64 | 4.2 | |
| <i>Merismopedia spp.</i> | | A | sphere | 7 | cell: 0.5-3 | | | | | 1.8 | | 1 | 2.8 | |
| <i>Merismopedia spp.</i> | | A | sphere | 8 | cell: 0.5-3 | | | | | 1.8 | | 4 | 11 | |
| <i>Merismopedia spp.</i> | | A | sphere | 9 | cell: 0.5-3 | | | | | 1.8 | | 8 | 22 | |
| <i>Merismopedia spp.</i> | | A | sphere | 10 | cell: 0.5-3 | | | | | 1.8 | | 16 | 45 | |
| <i>Merismopedia spp.</i> | | A | sphere | 11 | cell: 0.5-3 | | | | | 1.8 | | 32 | 90 | |
| <i>Merismopedia spp.</i> | | A | sphere | 12 | cell: 0.5-3 | | | | | 1.8 | | 64 | 180 | |
| <i>Microcystis aeruginosa</i> | (Kützing) Kützing 1846 | A | sphere | 1 | cell: 4-6 | | | | | 5 | | 1 | 65 | |
| <i>Microcystis aeruginosa</i> | (Kützing) Kützing 1846 | A | sphere | 2 | cell: 4-6 | | | | | 5 | | 20 | 1 308 | |
| <i>Microcystis aeruginosa</i> | (Kützing) Kützing 1846 | A | sphere | 3 | cell: 4-6 | | | | | 5 | | 50 | 3 271 | |
| <i>Microcystis aeruginosa</i> | (Kützing) Kützing 1846 | A | sphere | 4 | cell: 4-6 | | | | | 5 | | 100 | 6 542 | |
| <i>Microcystis flos-aquae</i> | (Wittrock in Wittrock & Nordstedt) Kirchner 1900 | A | sphere | 1 | cell: 3.5-4.8 | | | | | 4 | | 1 | 33 | |
| <i>Microcystis flos-aquae</i> | (Wittrock in Wittrock & Nordstedt) Kirchner 1900 | A | sphere | 2 | cell: 3.5-4.8 | | | | | 4 | | 20 | 670 | |
| <i>Microcystis flos-aquae</i> | (Wittrock in Wittrock & Nordstedt) Kirchner 1900 | A | sphere | 3 | cell: 3.5-4.8 | | | | | 4 | | 50 | 1 675 | |
| <i>Microcystis flos-aquae</i> | (Wittrock in Wittrock & Nordstedt) Kirchner 1900 | A | sphere | 4 | cell: 3.5-4.8 | | | | | 4 | | 100 | 3 349 | |
| <i>Microcystis ichtyoblabe</i> | Kützing 1843 | A | sphere | 1 | cell: 2-3.2 | | | | | 2.6 | | 1 | 9.2 | |
| <i>Microcystis ichtyoblabe</i> | Kützing 1843 | A | sphere | 2 | cell: 2-3.2 | | | | | 2.6 | | 20 | 184 | |
| <i>Microcystis ichtyoblabe</i> | Kützing 1843 | A | sphere | 3 | cell: 2-3.2 | | | | | 2.6 | | 50 | 460 | |
| <i>Microcystis ichtyoblabe</i> | Kützing 1843 | A | sphere | 4 | cell: 2-3.2 | | | | | 2.6 | | 100 | 920 | |
| <i>Microcystis novacekii</i> | (Komárek) Compère 1974 | A | sphere | 1 | cell: 3-5.5 | | | | | 4.2 | | 1 | 39 | |
| <i>Microcystis novacekii</i> | (Komárek) Compère 1974 | A | sphere | 2 | cell: 3-5.5 | | | | | 4.2 | | 20 | 775 | |
| <i>Microcystis novacekii</i> | (Komárek) Compère 1974 | A | sphere | 3 | cell: 3-5.5 | | | | | 4.2 | | 50 | 1 939 | |
| <i>Microcystis novacekii</i> | (Komárek) Compère 1974 | A | sphere | 4 | cell: 3-5.5 | | | | | 4.2 | | 100 | 3 877 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|--|--------|-------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Microcystis viridis</i> | (A. Braun <i>in</i> Rabenhorst) Lemmermann 1902 | A | sphere | 1 | cell: 3.5-7 | | | | | 5 | | 1 | 65 | |
| <i>Microcystis viridis</i> | (A. Braun <i>in</i> Rabenhorst) Lemmermann 1902 | A | sphere | 2 | cell: 3.5-7 | | | | | 5 | | 4 | 262 | |
| <i>Microcystis viridis</i> | (A. Braun <i>in</i> Rabenhorst) Lemmermann 1902 | A | sphere | 3 | cell: 3.5-7 | | | | | 5 | | 20 | 1 308 | |
| <i>Microcystis viridis</i> | (A. Braun <i>in</i> Rabenhorst) Lemmermann 1902 | A | sphere | 4 | cell: 3.5-7 | | | | | 5 | | 50 | 3 271 | |
| <i>Microcystis viridis</i> | (A. Braun <i>in</i> Rabenhorst) Lemmermann 1902 | A | sphere | 5 | cell: 3.5-7 | | | | | 5 | | 100 | 6 542 | |
| <i>Microcystis wesenbergii</i> | (Komárek) Komárek <i>in</i> Kondrat'eva 1968 | A | sphere | 1 | cell: 4-7 | | | | | 5 | | 1 | 65 | |
| <i>Microcystis wesenbergii</i> | (Komárek) Komárek <i>in</i> Kondrat'eva 1968 | A | sphere | 2 | cell: 4-7 | | | | | 5 | | 20 | 1 308 | |
| <i>Microcystis wesenbergii</i> | (Komárek) Komárek <i>in</i> Kondrat'eva 1968 | A | sphere | 3 | cell: 4-7 | | | | | 5 | | 50 | 3 271 | |
| <i>Microcystis wesenbergii</i> | (Komárek) Komárek <i>in</i> Kondrat'eva 1968 | A | sphere | 4 | cell: 4-7 | | | | | 5 | | 100 | 6 542 | |
| <i>Microcystis spp.</i> | | A | sphere | 1 | cell: 1-3 | | | | | 2 | | 1 | 4.2 | |
| <i>Microcystis spp.</i> | | A | sphere | 2 | cell: 1-3 | | | | | 2 | | 20 | 84 | |
| <i>Microcystis spp.</i> | | A | sphere | 3 | cell: 1-3 | | | | | 2 | | 50 | 209 | |
| <i>Microcystis spp.</i> | | A | sphere | 4 | cell: 1-3 | | | | | 2 | | 100 | 419 | |
| <i>Microcystis spp.</i> | | A | sphere | 5 | cell: 3-7 | | | | | 5 | | 1 | 65 | |
| <i>Microcystis spp.</i> | | A | sphere | 6 | cell: 3-7 | | | | | 5 | | 20 | 1 308 | |
| <i>Microcystis spp.</i> | | A | sphere | 7 | cell: 3-7 | | | | | 5 | | 50 | 3 271 | |
| <i>Microcystis spp.</i> | | A | sphere | 8 | cell: 3-7 | | | | | 5 | | 100 | 6 542 | |
| <i>Pannus spumososus</i> | Hickel 1991 | A | sphere | 1 | cell: 1-1.5 | | | | | 1.3 | | 1 | 1.0 | |
| <i>Pannus spumososus</i> | Hickel 1991 | A | sphere | 2 | cell: 1-1.5 | | | | | 1.3 | | 20 | 20 | |
| <i>Pannus spumososus</i> | Hickel 1991 | A | sphere | 3 | cell: 1-1.5 | | | | | 1.3 | | 50 | 51 | |
| <i>Pannus spp.</i> | | A | sphere | | cell: 1-1.5 | | | | | 1.3 | | 1 | 1.0 | |
| <i>Pannus spp.</i> | | A | sphere | | cell: 1-1.5 | | | | | 1.3 | | 20 | 20 | |
| <i>Pannus spp.</i> | | A | sphere | | cell: 1-1.5 | | | | | 1.3 | | 50 | 51 | |
| <i>Radiocystis geminata</i> | Skuja 1948 | A | rotational ellipsoid | 1 | cell: 3x4 | | | | 4 | 3 | | 1 | 19 | |
| <i>Radiocystis geminata</i> | Skuja 1948 | A | rotational ellipsoid | 2 | cell: 3x4 | | | | 4 | 3 | | 10 | 188 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------|------------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Radiocystis geminata</i> | Skuja 1948 | A | rotational ellipsoid | 3 | cell: 3x4 | | | | 4 | 3 | | 20 | 377 | |
| <i>Radiocystis geminata</i> | Skuja 1948 | A | rotational ellipsoid | 4 | cell: 3x4 | | | | 4 | 3 | | 50 | 942 | |
| <i>Rhabdoderma lineare</i> | Schmidle & Lauterborn 1900 | A | cylinder | 1 | cell: 4-10x1.5-3 | | | | 7 | 2.8 | | 1 | 43 | |
| <i>Rhabdoderma lineare</i> | Schmidle & Lauterborn 1900 | A | cylinder | 2 | cell: 4-10x1.5-3 | | | | 7 | 2.8 | | 20 | 862 | |
| <i>Rhabdoderma spp.</i> | | A | cylinder | 1 | cell: 4-10x1.5-3 | | | | 8 | 1.6 | | 1 | 16 | |
| <i>Rhabdoderma spp.</i> | | A | cylinder | 2 | cell: 4-10x1.5-3 | | | | 8 | 1.6 | | 20 | 322 | |
| <i>Snowella atomus</i> | Komárek & Hindák 1988 | A | sphere | 1 | cell: 0.6-1.4 | | | | | 1 | | 1 | 0.5 | |
| <i>Snowella atomus</i> | Komárek & Hindák 1988 | A | sphere | 2 | cell: 0.6-1.4 | | | | | 1 | | 10 | 5.2 | |
| <i>Snowella atomus</i> | Komárek & Hindák 1988 | A | sphere | 3 | cell: 0.6-1.4 | | | | | 1 | | 20 | 10 | |
| <i>Snowella atomus</i> | Komárek & Hindák 1988 | A | sphere | 4 | cell: 0.6-1.4 | | | | | 1 | | 50 | 26 | |
| <i>Snowella fennica</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 1 | cell: 2.8-4.2x1.2-2.8 | | | | 3 | 2 | | 1 | 6.3 | |
| <i>Snowella fennica</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 2 | cell: 2.8-4.2x1.2-2.8 | | | | 3 | 2 | | 10 | 63 | |
| <i>Snowella fennica</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 3 | cell: 2.8-4.2x1.2-2.8 | | | | 3 | 2 | | 20 | 126 | |
| <i>Snowella fennica</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 4 | cell: 2.8-4.2x1.2-2.8 | | | | 3 | 2 | | 50 | 314 | |
| <i>Snowella lacustris</i> | (R. Chodat) Komárek & Hindák 1988 | A | rotational ellipsoid | 1 | cell: 2-4x1.5-3.5 | | | | 3 | 2.5 | | 1 | 10 | |
| <i>Snowella lacustris</i> | (R. Chodat) Komárek & Hindák 1988 | A | rotational ellipsoid | 2 | cell: 2-4x1.5-3.5 | | | | 3 | 2.5 | | 10 | 98 | |
| <i>Snowella lacustris</i> | (R. Chodat) Komárek & Hindák 1988 | A | rotational ellipsoid | 3 | cell: 2-4x1.5-3.5 | | | | 3 | 2.5 | | 20 | 196 | |
| <i>Snowella lacustris</i> | (R. Chodat) Komárek & Hindák 1988 | A | rotational ellipsoid | 4 | cell: 2-4x1.5-3.5 | | | | 3 | 2.5 | | 50 | 491 | |
| <i>Snowella litoralis</i> | (Häyrén) Komárek & Hindák 1988 | A | sphere | 1 | cell: 2.4-4 | | | | | 3.2 | | 1 | 17 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|---------------------------------|------------------------------------|-----------------|----------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Snowella litoralis</i> | (Häyrén) Komárek & Hindák 1988 | A | sphere | 2 | cell: 2.4-4 | | | | | 3.2 | | 10 | 171 | |
| <i>Snowella litoralis</i> | (Häyrén) Komárek & Hindák 1988 | A | sphere | 3 | cell: 2.4-4 | | | | | 3.2 | | 20 | 343 | |
| <i>Snowella litoralis</i> | (Häyrén) Komárek & Hindák 1988 | A | sphere | 4 | cell: 2.4-4 | | | | | 3.2 | | 50 | 857 | |
| <i>Snowella septentrionalis</i> | Komárek & Hindák 1988 | A | sphere | 1 | cell: 1.2-3.4 | | | | | 2.3 | | 1 | 6.4 | |
| <i>Snowella septentrionalis</i> | Komárek & Hindák 1988 | A | sphere | 2 | cell: 1.2-3.4 | | | | | 2.3 | | 10 | 64 | |
| <i>Snowella septentrionalis</i> | Komárek & Hindák 1988 | A | sphere | 3 | cell: 1.2-3.4 | | | | | 2.3 | | 20 | 127 | |
| <i>Snowella septentrionalis</i> | Komárek & Hindák 1988 | A | sphere | 4 | cell: 1.2-3.4 | | | | | 2.3 | | 50 | 318 | |
| <i>Snowella spp.</i> | | A | sphere | 1 | cell: 1-4 | | | | | 2.5 | | 1 | 8.2 | |
| <i>Snowella spp.</i> | | A | sphere | 2 | cell: 1-4 | | | | | 2.5 | | 10 | 82 | |
| <i>Snowella spp.</i> | | A | sphere | 3 | cell: 1-4 | | | | | 2.5 | | 20 | 164 | |
| <i>Snowella spp.</i> | | A | sphere | 4 | cell: 1-4 | | | | | 2.5 | | 50 | 409 | |
| <i>Synechococcus sp.</i> | | A | sphere | 3 | cell: 2 | | | | | 2 | | 1 | 4.2 | |
| <i>Synechococcus sp.</i> | | A | sphere | 4 | cell: 2 | | | | | 2 | | 10 | 42 | |
| <i>Synechococcus sp.</i> | | A | sphere | 5 | cell: 3 | | | | | 3 | | 1 | 14 | |
| <i>Synechococcus sp.</i> | | A | sphere | 6 | cell: 3 | | | | | 3 | | 10 | 141 | |
| <i>Woronichinia compacta</i> | (Lemmermann) Komárek & Hindák 1988 | A | rotational ellipsoid | 1 | cell: 3-5.6x1.5-3.4 | | | | 4.5 | 2.5 | | 1 | 15 | |
| <i>Woronichinia compacta</i> | (Lemmermann) Komárek & Hindák 1988 | A | rotational ellipsoid | 2 | cell: 3-5.6x1.5-3.4 | | | | 4.5 | 2.5 | | 10 | 147 | |
| <i>Woronichinia compacta</i> | (Lemmermann) Komárek & Hindák 1988 | A | rotational ellipsoid | 3 | cell: 3-5.6x1.5-3.4 | | | | 4.5 | 2.5 | | 20 | 294 | |
| <i>Woronichinia compacta</i> | (Lemmermann) Komárek & Hindák 1988 | A | rotational ellipsoid | 4 | cell: 3-5.6x1.5-3.4 | | | | 4.5 | 2.5 | | 50 | 736 | |
| <i>Woronichinia elorantae</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 1 | cell: 2.5-3x1.6-2 | | | | 2.8 | 1.8 | | 1 | 4.7 | |
| <i>Woronichinia elorantae</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 2 | cell: 2.5-3x1.6-2 | | | | 2.8 | 1.8 | | 10 | 47 | |
| <i>Woronichinia elorantae</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 3 | cell: 2.5-3x1.6-2 | | | | 2.8 | 1.8 | | 20 | 95 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|------------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Woronichinia elorantae</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 4 | cell: 2.5-3x1.6-2 | | | | 2.8 | 1.8 | | 50 | 237 | |
| <i>Woronichinia fusca</i> | (Skuja) Komárek & Hindák 1988 | A | rotational ellipsoid | 1 | cell: 3-5x2.5-4 | | | | 4 | 3.3 | | 1 | 22 | |
| <i>Woronichinia fusca</i> | (Skuja) Komárek & Hindák 1988 | A | rotational ellipsoid | 2 | cell: 3-5x2.5-4 | | | | 4 | 3.3 | | 10 | 221 | |
| <i>Woronichinia fusca</i> | (Skuja) Komárek & Hindák 1988 | A | rotational ellipsoid | 3 | cell: 3-5x2.5-4 | | | | 4 | 3.3 | | 20 | 442 | |
| <i>Woronichinia fusca</i> | (Skuja) Komárek & Hindák 1988 | A | rotational ellipsoid | 4 | cell: 3-5x2.5-4 | | | | 4 | 3.3 | | 50 | 1 106 | |
| <i>Woronichinia karelica</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 1 | cell: 3-4.2x1.5-2 | | | | 3.6 | 1.8 | | 1 | 6.1 | |
| <i>Woronichinia karelica</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 2 | cell: 3-4.2x1.5-2 | | | | 3.6 | 1.8 | | 10 | 61 | |
| <i>Woronichinia karelica</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 3 | cell: 3-4.2x1.5-2 | | | | 3.6 | 1.8 | | 20 | 122 | |
| <i>Woronichinia karelica</i> | Komárek & Komárková-Legnerová 1992 | A | rotational ellipsoid | 4 | cell: 3-4.2x1.5-2 | | | | 3.6 | 1.8 | | 50 | 305 | |
| <i>Woronichinia naegeliana</i> | (Unger) Elenkin 1933 | A | rotational ellipsoid | 1 | cell: 4.5-6x1.5-5 | | | | 5 | 3 | | 1 | 24 | |
| <i>Woronichinia naegeliana</i> | (Unger) Elenkin 1933 | A | rotational ellipsoid | 2 | cell: 4.5-6x1.5-5 | | | | 5 | 3 | | 10 | 236 | |
| <i>Woronichinia naegeliana</i> | (Unger) Elenkin 1933 | A | rotational ellipsoid | 3 | cell: 4.5-6x1.5-5 | | | | 5 | 3 | | 20 | 471 | |
| <i>Woronichinia naegeliana</i> | (Unger) Elenkin 1933 | A | rotational ellipsoid | 4 | cell: 4.5-6x1.5-5 | | | | 5 | 3 | | 50 | 1 178 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, µm | Length, µm | | Width µm | Height µm | Diameter, µm | | Number of cells/ counting unit | Calculated volume, µm ³ | Comment |
|---------------------------------------|---|--------|----------------------|---------------|---------------------|----------------|----------------|----------|-----------|----------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Woronichinia</i> spp. | | A | rotational ellipsoid | 1 | cell: 2-5 | | | | 3 | 2 | | 1 | 6.3 | |
| <i>Woronichinia</i> spp. | | A | rotational ellipsoid | 2 | cell: 2-5 | | | | 3 | 2 | | 10 | 63 | |
| <i>Woronichinia</i> spp. | | A | rotational ellipsoid | 3 | cell: 2-5 | | | | 3 | 2 | | 20 | 126 | |
| <i>Woronichinia</i> spp. | | A | rotational ellipsoid | 4 | cell: 2-5 | | | | 3 | 2 | | 50 | 314 | |
| Order OSCILLATORIALES | | | | | | | | | | | | | | |
| <i>Limnothrix planctonica</i> | (Woloszynska) Meffert 1988 | A | cylinder | 1 | fil.: 2x100 | | | | 100 | 2 | | 1 | 314 | |
| <i>Limnothrix planctonica</i> | (Woloszynska) Meffert 1988 | A | cylinder | 2 | fil.: 2.5x100 | | | | 100 | 2.5 | | 1 | 491 | |
| <i>Limnothrix planctonica</i> | (Woloszynska) Meffert 1988 | A | cylinder | 3 | fil.: 3x100 | | | | 100 | 3 | | 1 | 707 | |
| <i>Limnothrix redekei</i> | (Van Goor) Meffert 1988 | A | cylinder | 1 | fil.: 2x100 | | | | 100 | 2 | | 1 | 314 | |
| <i>Limnothrix redekei</i> | (Van Goor) Meffert 1988 | A | cylinder | 2 | fil.: 3x100 | | | | 100 | 3 | | 1 | 707 | |
| <i>Limnothrix</i> spp. | | A | cylinder | 1 | fil.: 1.5x100 | | | | 100 | 1.5 | | 1 | 177 | |
| <i>Limnothrix</i> spp. | | A | cylinder | 2 | fil.: 2x100 | | | | 100 | 2 | | 1 | 314 | |
| <i>Limnothrix</i> spp. | | A | cylinder | 3 | fil.: 2.5x100 | | | | 100 | 2.5 | | 1 | 491 | |
| <i>Limnothrix</i> spp. | | A | cylinder | 4 | fil.: 3x100 | | | | 100 | 3 | | 1 | 707 | |
| <i>Lyngbya aestuarii</i> | (Mertens in Jürgens) Liebman ex Gomont 1892 | A | cylinder | | fil.: 8x100 | | | | 100 | 8 | | 1 | 5 024 | |
| <i>Oscillatoria chlorina</i> | Kützing ex Gomont 1892 | A | cylinder | | fil.: 4x100 | | | | 100 | 4 | | 1 | 1 256 | |
| <i>Oscillatoria limosa</i> | C.A. Agardh ex Gomont 1892 | A | cylinder | | fil.: 10x100 | | | | 100 | 10 | | 1 | 7 850 | |
| <i>Oscillatoria limosa</i> | C.A. Agardh ex Gomont 1892 | A | cylinder | | fil.: 12x100 | | | | 100 | 12 | | 1 | 11 304 | |
| <i>Oscillatoriales</i> , unidentified | | A | cylinder | 1 | fil.: 1x100 | | | | 100 | 1 | | 1 | 79 | |
| <i>Oscillatoriales</i> , unidentified | | A | cylinder | 2 | fil.: 1.5x100 | | | | 100 | 1.5 | | 1 | 177 | |
| <i>Oscillatoriales</i> , unidentified | | A | cylinder | 3 | fil.: 2x100 | | | | 100 | 2 | | 1 | 314 | |
| <i>Oscillatoriales</i> , unidentified | | A | cylinder | 4 | fil.: 2.5x100 | | | | 100 | 2.5 | | 1 | 491 | |
| <i>Oscillatoriales</i> , unidentified | | A | cylinder | 5 | fil.: 3x100 | | | | 100 | 3 | | 1 | 707 | |
| <i>Oscillatoriales</i> , unidentified | | A | cylinder | 6 | fil.: 5x100 | | | | 100 | 5 | | 1 | 1 963 | |
| <i>Oscillatoriales</i> , unidentified | | A | cylinder | 7 | fil.: 7x100 | | | | 100 | 7 | | 1 | 3 847 | |
| <i>Phormidium amphibium</i> | (C.A. Agardh ex Gomont) Anagnostidis & Komárek 1988 | A | cylinder | | fil.: 3.5x100 | | | | 100 | 3.5 | | 1 | 962 | |
| <i>Phormidium</i> spp. | | A | cylinder | 1 | fil.: 1.5x100 | | | | 100 | 1.5 | | 1 | 177 | |
| <i>Phormidium</i> spp. | | A | cylinder | 2 | fil.: 3x100 | | | | 100 | 3 | | 1 | 707 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------------|--|-----------------|---------------|--------------------------------|-----------------------|-------|---------------------|----------------------|-------------------------|-------|-----------------------------------|---------------------------------------|---------|
| | | | | | l_1 | l_2 | w | h | d_1 | d_2 | | | |
| <i>Phormidium</i> spp. | A | cylinder | 3 | fil.: 4x100 | | | | 100 | 4 | | 1 | 1 256 | |
| <i>Phormidium</i> spp. | A | cylinder | 4 | fil.: 6x100 | | | | 100 | 6 | | 1 | 2 826 | |
| <i>Phormidium</i> spp. | A | cylinder | 5 | fil.: 7x100 | | | | 100 | 7 | | 1 | 3 847 | |
| <i>Phormidium</i> spp. | A | cylinder | 6 | fil.: 10x100 | | | | 100 | 10 | | 1 | 7 850 | |
| <i>Planktolyngbya contorta</i> | (Lemmermann) Anagnostidis & Komárek 1988 | A | cylinder | fil.: 1.5x100 | | | | 100 | 1.5 | | 1 | 177 | |
| <i>Planktolyngbya lacustris</i> | (Lemmermann) Anagnostidis & Komárek 1988 | A | cylinder | fil.: 1.5x100 | | | | 100 | 1.5 | | 1 | 177 | |
| <i>Planktolyngbya limnetica</i> | (Lemmermann) Komárková-Legnerová & Cronberg 1992 | A | cylinder | 1 | fil.: 1x100 | | | 100 | 1 | | 1 | 79 | |
| <i>Planktolyngbya limnetica</i> | (Lemmermann) Komárková-Legnerová & Cronberg 1992 | A | cylinder | 2 | fil.: 2x100 | | | 100 | 2 | | 1 | 314 | |
| <i>Planktolyngbya</i> spp. | | A | cylinder | 1 | fil.: 1.5x100 | | | 100 | 1.5 | | 1 | 177 | |
| <i>Planktolyngbya</i> spp. | | A | cylinder | 2 | fil.: 2x100 | | | 100 | 2 | | 1 | 314 | |
| <i>Planktolyngbya</i> spp. | | A | cylinder | 3 | fil.: 2.5x100 | | | 100 | 2.5 | | 1 | 491 | |
| <i>Planktothrix agardhii</i> | (Gomont) Anagnostidis & Komárek 1988 | A | cylinder | 1 | fil.: 3.5x100 | | | 100 | 3.5 | | 1 | 962 | |
| <i>Planktothrix agardhii</i> | (Gomont) Anagnostidis & Komárek 1988 | A | cylinder | 2 | fil.: 5x100 | | | 100 | 5 | | 1 | 1 963 | |
| <i>Planktothrix mougeotii</i> | (Bory ex Gomont) Anagnostidis & Komárek 1988 | A | cylinder | | fil.: 5x100 | | | 100 | 5 | | 1 | 1 963 | |
| <i>Planktothrix</i> spp. | | A | cylinder | 1 | fil.: 4x100 | | | 100 | 4 | | 1 | 1 256 | |
| <i>Planktothrix</i> spp. | | A | cylinder | 2 | fil.: 6x100 | | | 100 | 6 | | 1 | 2 826 | |
| <i>Planktothrix</i> spp. | | A | cylinder | 3 | fil.: 8x100 | | | 100 | 8 | | 1 | 5 024 | |
| <i>Prochlorotrix</i> spp. | | A | cylinder | | fil.: 1.5x100 | | | 100 | 1.5 | | 1 | 177 | * |
| <i>Pseudanabaena acicularis</i> | (Nygaard) Anagnostidis et Komarek 1988 | A | cylinder | | fil.: 1.5x100 | | | 100 | 1.5 | | 1 | 177 | * |
| <i>Pseudanabaena limnetica</i> | (Lemmermann) Komárek 1974 | A | cylinder | 1 | fil.: 1x100 | | | 100 | 1 | | 1 | 79 | |
| <i>Pseudanabaena limnetica</i> | (Lemmermann) Komárek 1974 | A | cylinder | 2 | fil.: 1.5x100 | | | 100 | 1.5 | | 1 | 177 | |
| <i>Pseudanabaena mucicola</i> | (Naumann & Huber-Pestalozzi) Bourrelly 1970 | A | cylinder | | fil.: 2x100 | | | 100 | 2 | | 1 | 314 | |
| <i>Pseudanabaena</i> spp. | | A | cylinder | 1 | fil.: 0.5x100 | | | 100 | 0.5 | | 1 | 20 | |
| <i>Pseudanabaena</i> spp. | | A | cylinder | 2 | fil.: 1.5x100 | | | 100 | 1.5 | | 1 | 177 | |
| <i>Pseudanabaena</i> spp. | | A | cylinder | 3 | fil.: 2x100 | | | 100 | 2 | | 1 | 314 | |
| <i>Romeria</i> spp. | | A | cylinder | 1 | fil.: 0.5x100 | | | 100 | 0.5 | | 1 | 20 | |
| <i>Romeria</i> spp. | | A | cylinder | 2 | fil.: 1x100 | | | 100 | 1 | | 1 | 79 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|--|-----------------|------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Spirulina major</i> | Kützing ex Gomont 1892 | A | cylinder | | fil.: 1.5x100 | | | 100 | 1.5 | | 1 | 177 | |
| <i>Spirulina subsalsa</i> | Ørsted ex Gomont 1892 | A | cylinder | | fil.: 1.5x100 | | | 100 | 1.5 | | 1 | 177 | |
| <i>Spirulina spp.</i> | | A | cylinder | 1 | fil.: 1.5x100 | | | 100 | 1.5 | | 1 | 177 | |
| <i>Spirulina spp.</i> | | A | cylinder | 2 | fil.: 2x100 | | | 100 | 2 | | 1 | 314 | |
| <i>Tychonema tenue</i> | (Skuja) Anagnostidis & Komárek 1988 | A | cylinder | | fil.: 4-5x100 | | | 100 | 4.5 | | 1 | 1 590 | |
| <i>Achroonema lentum</i> | Skuja 1956 | H | cylinder | | fil.: 2x100 | | | 100 | 2 | | 1 | 314 | |
| <i>Achroonema proteiforme</i> | Skuja 1956 | H | cylinder | 1 | fil.: 1-2x100 | | | 100 | 1.5 | | 1 | 177 | |
| Order NOSTOCALES | | | | | | | | | | | | | |
| <i>Anabaena affinis</i> | Lemmermann 1897 | A | chain of spheres | | fil.: 8x100 | 100 | | | 8.5 | | 1 | 3 781 | 1 |
| <i>Anabaena baltica</i> | J. Schmidt 1899 | A | chain of spheres | 1 | fil.: 3x100 | 100 | | | 3 | | 1 | 471 | 1 |
| <i>Anabaena baltica</i> | J. Schmidt 1899 | A | chain of spheres | 2 | fil.: 6x100 | 100 | | | 5.8 | | 1 | 1 760 | 1 |
| <i>Anabaena circinalis</i> | Rabenhorst ex Bornet & Flahault 1886 | A | chain of spheres | | fil.: 11x100 | 100 | | | 11 | | 1 | 6 332 | 1 |
| <i>Anabaena crassa</i> | (Lemmermann) Komárková & Cronberg 1992 | A | chain of spheres | | fil.: 11x100 | 100 | | | 11 | | 1 | 6 332 | 1 |
| <i>Anabaena cylindrica</i> | Lemmermann 1896 | A | cylinder | 1 | fil.: 3-4x100 | | | 100 | 3.5 | | 1 | 962 | |
| <i>Anabaena cylindrica</i> | Lemmermann 1896 | A | cylinder | 2 | fil.: 4-5x100 | | | 100 | 4.5 | | 1 | 1 590 | |
| <i>Anabaena flos-aquae</i> | (Lyngbye) Brébisson in Brébisson & Godey ex Bornet & Flahault 1886 | A | chain of spheres | 1 | fil.: 4x100 | 100 | | | 4 | | 1 | 837 | 1 |
| <i>Anabaena flos-aquae</i> | (Lyngbye) Brébisson in Brébisson & Godey ex Bornet & Flahault 1886 | A | chain of spheres | 2 | fil.: 5x100 | 100 | | | 5 | | 1 | 1 308 | 1 |
| <i>Anabaena inaequalis</i> | Kützing ex Bornet & Flahault 1886 | A | chain of spheres | 1 | fil.: 4x100 | 100 | | | 4 | | 1 | 837 | 1 |
| <i>Anabaena inaequalis</i> | Kützing ex Bornet & Flahault 1886 | A | chain of spheres | 2 | fil.: 5x100 | 100 | | | 5 | | 1 | 1 308 | 1 |
| <i>Anabaena lemmermannii</i> | P. Richter in Lemmermann 1903 | A | chain of spheres | | fil.: 5x100 | 100 | | | 5 | | 1 | 1 308 | 1 |
| <i>Anabaena macrospora</i> | Klebahn 1895 | A | chain of spheres | | fil.: 6-7x100 | 100 | | | 6.5 | | 1 | 2 211 | 1 |
| <i>Anabaena oscillarioides</i> | Bory ex Bornet & Flahault 1886 | A | chain of spheres | | fil.: 5x100 | 100 | | | 5 | | 1 | 1 308 | 1 |
| <i>Anabaena planctonica</i> | Brunnthaler 1903 | A | chain of spheres | 1 | fil.: 10x100 | 100 | | | 10 | | 1 | 5 233 | 1 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|------------------------------------|--|--------|------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Anabaena planctonica</i> | Brunnthaler 1903 | A | chain of spheres | 2 | fil.: 12x100 | 100 | | | | 12 | | 1 | 7 536 | 1 |
| <i>Anabaena smithii</i> | (Komárek) M. Watanabe 1991 | A | chain of spheres | | | 100 | | | | 9 | | 1 | 4 239 | 1 |
| <i>Anabaena spiroides</i> | Klebahn 1895 | A | chain of spheres | | fil.: 5x100 | 100 | | | | 5 | | 1 | 1 308 | 1 |
| <i>Anabaena torulosa</i> | (Carmichael ex Harvey in Hooker) Lagerheim ex Bornet & Flahault 1886 | A | chain of spheres | | fil.: 4-5x100 | 100 | | | | 4.6 | | 1 | 1 107 | 1 |
| <i>Anabaena spp.</i> | | A | chain of spheres | 1 | fil.: 4-5x100 | 100 | | | | 4.5 | | 1 | 1 060 | 1 |
| <i>Anabaena spp.</i> | | A | chain of spheres | 2 | fil.: 5-7x100 | 100 | | | | 6 | | 1 | 1 884 | 1 |
| <i>Anabaena spp.</i> | | A | chain of spheres | 3 | fil.: 7-9x100 | 100 | | | | 8 | | 1 | 3 349 | 1 |
| <i>Anabaena spp.</i> | | A | chain of spheres | 4 | fil.: 9-12x100 | 100 | | | | 11 | | 1 | 6 332 | 1 |
| <i>Anabaena spp.</i> | | A | cylinder | 5 | fil.: 3-4x100 | | | 100 | 3.5 | | | 1 | 962 | |
| <i>Anabaena spp.</i> | | A | cylinder | 6 | fil.: 4-5x100 | | | 100 | 4.5 | | | 1 | 1 590 | |
| <i>Anabaenopsis elenkinii</i> | V. Miller 1923 | A | cylinder | | fil.: 5.8x100 | | | 100 | 5.8 | | | 1 | 2 641 | |
| <i>Anabaenopsis spp.</i> | | A | chain of spheres | 1 | fil.: 4-5x100 | 100 | | | | 4.5 | | 1 | 1 060 | 1 |
| <i>Anabaenopsis spp.</i> | | A | chain of spheres | 2 | fil.: 5-6x100 | 100 | | | | 5.5 | | 1 | 1 583 | 1 |
| <i>Aphanizomenon flos-aquae</i> | (L.) Ralfs ex Bornet & Flahault 1886 | A | cylinder | | fil.: 5x100 | | | 100 | 5 | | | 1 | 1 963 | |
| <i>Aphanizomenon gracile</i> | (Lemmermann) Lemmermann 1910 | A | cylinder | | fil.: 2.5-3x100 | | | 100 | 2.8 | | | 1 | 615 | |
| <i>Aphanizomenon hungaricum</i> | Komarkova-Legnerova & Matyas | A | cylinder | | fil.: 6x100 | | | 100 | 6 | | | 1 | 2 826 | * |
| <i>Aphanizomenon issatschenkoi</i> | (Usacev) Proschkina-Lavrenko 1962 | A | cylinder | | fil.: 3x100 | | | 100 | 3 | | | 1 | 707 | |
| <i>Aphanizomenon issatschenkoi</i> | (Usacev) Proschkina-Lavrenko 1963 | A | cylinder | | fil.: 4.5x100 | | | 100 | 4.5 | | | 1 | 1 590 | |
| <i>Aphanizomenon klebahnii</i> | (Elenkin) Pechar & Kalina 2000 | A | cylinder | | fil.: 5x100 | | | 100 | 5 | | | 1 | 1 963 | |
| <i>Aphanizomenon skujae</i> | Komarkova-Legnerova & Cronberg 1992 | A | cylinder | | fil.: 2x100 | | | 100 | 2 | | | 1 | 314 | * |
| <i>Aphanizomenon yezoense</i> | Watanabe 1991 | A | cylinder | | fil.: 3x100 | | | 100 | 3 | | | 1 | 707 | |
| <i>Aphanizomenon sp.</i> | | A | cylinder | | fil.: 4x100 | | | 100 | 4 | | | 1 | 1 256 | 2 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|--|-----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Aphanizomenon</i> spp. | | A cylinder | 1 | fil.: 2x100 | | | | 100 | 2 | | 1 | 314 | |
| <i>Aphanizomenon</i> spp. | | A cylinder | 2 | fil.: 2.5x100 | | | | 100 | 3 | | 1 | 491 | |
| <i>Aphanizomenon</i> spp. | | A cylinder | 3 | fil.: 3x100 | | | | 100 | 3 | | 1 | 707 | |
| <i>Aphanizomenon</i> spp. | | A cylinder | 4 | fil.: 5x100 | | | | 100 | 5 | | 1 | 1 963 | |
| <i>Gloeotrichia echinulata</i> | J.E. Smith ex P. Richter 1894 | A cylinder | | fil.: 6x100 | | | | 100 | 6 | | 1 | 2 826 | |
| <i>Gloeotrichia</i> spp. | | A cylinder | 1 | fil.: 6x100 | | | | 100 | 6 | | 1 | 2 826 | |
| <i>Gloeotrichia</i> spp. | | A cylinder | 2 | fil.: 8x100 | | | | 100 | 8 | | 1 | 5 024 | |
| <i>Gloeotrichia</i> spp. | | A cylinder | 3 | fil.: 9x100 | | | | 100 | 9 | | 1 | 6 359 | |
| <i>Nodularia baltica</i> | Komárek <i>et al.</i> 1993 | A cylinder | | fil.: 6x100 | | | | 100 | 6 | | 1 | 2 826 | |
| <i>Nodularia harveyana</i> | Thuret ex Bornet & Flahault 1886 | A cylinder | | fil.: 4-5x100 | | | | 100 | 4.5 | | 1 | 1 590 | |
| <i>Nodularia litorea</i> | (Kützing) Thuret ex Komárek <i>et al.</i> 1993 | A cylinder | | fil.: 10-18x100 | | | | 100 | 14 | | 1 | 15 386 | |
| <i>Nodularia spumigena</i> | Mertens ex Bornet & Flahault 1886 | A cylinder | 1 | fil.: 6-8x100 | | | | 100 | 7 | | 1 | 3 847 | |
| <i>Nodularia spumigena</i> | Mertens ex Bornet & Flahault 1886 | A cylinder | 2 | fil.: 8-10x100 | | | | 100 | 9 | | 1 | 6 359 | |
| <i>Nodularia spumigena</i> | Mertens ex Bornet & Flahault 1886 | A cylinder | 3 | fil.: 10-12x100 | | | | 100 | 11 | | 1 | 9 499 | |
| <i>Nodularia</i> spp. | | A cylinder | 1 | fil.: 4-6x100 | | | | 100 | 5 | | 1 | 1 963 | |
| <i>Nodularia</i> spp. | | A cylinder | 2 | fil.: 6-8x100 | | | | 100 | 7 | | 1 | 3 847 | |
| <i>Nodularia</i> spp. | | A cylinder | 3 | fil.: 8-10x100 | | | | 100 | 9 | | 1 | 6 359 | |
| <i>Nodularia</i> spp. | | A cylinder | 4 | fil.: 10-12x100 | | | | 100 | 11 | | 1 | 9 499 | |
| Division CRYPTOPHYTA | | | | | | | | | | | | | |
| Class Cryptophyceae | | | | | | | | | | | | | |
| Order CRYPTOMONADALES | | | | | | | | | | | | | |
| <i>Chroomonas</i> spp. | | A flattened ellipsoid | 1 | cell: 4x9 | 9 | | | | 4 | 3 | 1 | 57 | |
| <i>Chroomonas</i> spp. | | A flattened ellipsoid | 2 | cell: 7x12 | 12 | | | | 7 | 5.6 | 1 | 246 | |
| <i>Cryptomonas erosa</i> | Ehrenberg 1832 | A flattened ellipsoid | | cell: 26x14 | 26 | | | | 14 | 11.2 | 1 | 2 134 | |
| <i>Cryptomonas obovata</i> | Skuja 1948 | A flattened ellipsoid | 1 | cell: 15-17 | 16 | | | | 8 | 6.4 | 1 | 429 | |
| <i>Cryptomonas obovata</i> | Skuja 1948 | A flattened ellipsoid | 2 | cell: 17-20 | 18 | | | | 10 | 8 | 1 | 754 | |
| <i>Cryptomonas obovata</i> | Skuja 1948 | A flattened ellipsoid | 3 | cell: 20-26 | 23 | | | | 12 | 9.6 | 1 | 1 387 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|------------------------------|----------------|--------|---------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Cryptomonas obovata</i> | Skuja 1948 | A | flattened ellipsoid | 4 | cell: 26-29 | 28 | | | | 14 | 11.2 | 1 | 2 298 | |
| <i>Cryptomonas obovata</i> | Skuja 1948 | A | flattened ellipsoid | 5 | cell: 29-35 | 33 | | | | 17 | 11.9 | 1 | 3 494 | |
| <i>Cryptomonas ovata</i> | Ehrenberg 1832 | A | flattened ellipsoid | 1 | cell: 13-16 | 14 | | | | 7 | 6 | 1 | 308 | |
| <i>Cryptomonas ovata</i> | Ehrenberg 1832 | A | flattened ellipsoid | 2 | cell: 16-20 | 19 | | | | 13 | 8.4 | 1 | 1 086 | |
| <i>Cryptomonas ovata</i> | Ehrenberg 1832 | A | flattened ellipsoid | 3 | cell: 20-26 | 24 | | | | 13 | 8.4 | 1 | 1 372 | |
| <i>Cryptomonas ovata</i> | Ehrenberg 1832 | A | flattened ellipsoid | 4 | cell: 26-29 | 29 | | | | 14.5 | 8.4 | 1 | 1 849 | |
| <i>Cryptomonas ovata</i> | Ehrenberg 1832 | A | flattened ellipsoid | 5 | cell: 29-35 | 32 | | | | 15.5 | 8.4 | 1 | 2 180 | |
| <i>Cryptomonas platyuris</i> | Skuja 1948 | A | flattened ellipsoid | | cell: 26-30x15-16 | 28 | | | | 15.2 | 10 | 1 | 2 227 | |
| <i>Cryptomonas spp.</i> | | A | flattened ellipsoid | 1 | cell: 16-18x7-8 | 17 | | | | 7.5 | 6 | 1 | 400 | |
| <i>Cryptomonas spp.</i> | | A | flattened ellipsoid | 2 | cell: 20-26x10-13 | 23 | | | | 11.5 | 9.2 | 1 | 1 273 | |
| <i>Cryptomonas spp.</i> | | A | flattened ellipsoid | 3 | cell: 26-30x13-14 | 28 | | | | 13.5 | 10.8 | 1 | 2 136 | |
| <i>Cryptomonas spp.</i> | | A | flattened ellipsoid | 4 | cell: 30-35x15-18 | 32.5 | | | | 16.5 | 13.2 | 1 | 3 704 | |
| <i>Cryptomonas spp.</i> | | A | cone + half sphere | 5 | cell: 8-12x4-5 | | | | 10 | 4.5 | | 1 | 65 | |
| <i>Cryptomonas spp.</i> | | A | cone + half sphere | 6 | cell: 12-17x6 | | | | 15 | 6 | | 1 | 170 | |
| <i>Cryptomonas spp.</i> | | A | cone + half sphere | 7 | cell: 17-22x6 | | | | 20 | 6 | | 1 | 217 | |
| <i>Cryptomonas spp.</i> | | A | cone + half sphere | 8 | cell: 30-35x20-25 | | | | 30 | 23 | | 1 | 5 744 | |
| <i>Hemiselmis virescens</i> | Droop 1955 | A | cone + half sphere | | cell: 4-6x3 | | | | 5 | 3 | | 1 | 15 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|---|--------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Hemiselmis</i> spp. | | A | cone + half sphere | | cell: 4-6x3 | | | | 5 | 3 | | 1 | 15 | |
| <i>Komma caudata</i> | (Geitler) Hill 1991 | A | cone + half sphere | | cell: 7-9x4-5 | | | | 8 | 4.5 | | 1 | 54 | |
| <i>Plagioselmis prolunga</i> | Butcher 1967 | A | cone + half sphere | 1 | cell: 5-7x3-4 | | | | 6 | 3.5 | | 1 | 25 | |
| <i>Plagioselmis prolunga</i> | Butcher 1967 | A | cone + half sphere | 2 | cell: 7-9x4-5 | | | | 8 | 4.5 | | 1 | 54 | |
| <i>Plagioselmis prolunga</i> | Butcher 1967 | A | cone + half sphere | 3 | cell: 7-9x5-7 | | | | 8 | 6 | | 1 | 104 | |
| <i>Plagioselmis</i> spp. | | A | cone + half sphere | 1 | cell: 5-7x3-4 | | | | 6 | 3.5 | | 1 | 25 | |
| <i>Plagioselmis</i> spp. | | A | cone + half sphere | 2 | cell: 7-9x4-5 | | | | 8 | 4.5 | | 1 | 54 | |
| <i>Plagioselmis</i> spp. | | A | cone + half sphere | 3 | cell: 7-9x5-7 | | | | 8 | 6 | | 1 | 104 | |
| <i>Rhodomonas baltica</i> | Karsten 1898 | A | cone + half sphere | | cell: 30x12 | | | | 30 | 12 | | 1 | 1 356 | |
| <i>Rhodomonas lacustris</i> v. <i>lacustris</i> | Pascher & Ruttner <i>in</i> Pascher 1913 | A | cone + half sphere | | cell: 12-14x7 | | | | 13 | 7 | | 1 | 212 | |
| <i>Rhodomonas lacustris</i> v. <i>nannoplantica</i> | (Skuja) Javornický 1976 | A | cone + half sphere | | cell: 7-9x4-6 | | | | 8 | 5 | | 1 | 69 | |
| <i>Rhodomonas marina</i> | (Dangeard) Lemmermann 1908 | A | cone + half sphere | | cell: 20x6 | | | | 20 | 6 | | 1 | 217 | |
| <i>Rhodomonas salina</i> | (Wislouch) Hill & Wetherbee 1989 | A | cone + half sphere | | cell: 12x6 | | | | 12 | 6 | | 1 | 141 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------------------|---------------------|----------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Rhodomonas</i> spp. | A | cone + half sphere | 1 | cell: 7-9x4-6 | | | | 8 | 5 | | 1 | 69 | |
| <i>Rhodomonas</i> spp. | A | cone + half sphere | 2 | cell: 11-14x5-6 | | | | 13 | 5.5 | | 1 | 125 | |
| <i>Teleaulax acuta</i> | (Butcher) Hill 1991 | A cone + half sphere | 1 | cell: 12-15x5-6 | | | | 13 | 5.5 | | 1 | 125 | |
| <i>Teleaulax acuta</i> | (Butcher) Hill 1991 | A cone + half sphere | 2 | cell: 13-16x6-7 | | | | 14 | 6.5 | | 1 | 191 | |
| <i>Teleaulax acuta</i> | (Butcher) Hill 1991 | A cone + half sphere | 3 | cell: 15-18x7-8 | | | | 17 | 7.5 | | 1 | 305 | |
| <i>Teleaulax amphioxeia</i> | (Conrad) Hill 1992 | A cone + half sphere | 1 | cell: 8-10x4-5 | | | | 9 | 4.5 | | 1 | 60 | |
| <i>Teleaulax amphioxeia</i> | (Conrad) Hill 1992 | A cone + half sphere | 2 | cell: 10-12x5-6 | | | | 11 | 5.5 | | 1 | 109 | |
| <i>Teleaulax amphioxeia</i> | (Conrad) Hill 1992 | A cone + half sphere | 3 | cell: 12-16x6-8 | | | | 14 | 7 | | 1 | 224 | |
| <i>Teleaulax</i> spp. | A | cone + half sphere | 1 | cell: 8-11x4-5 | | | | 9 | 4.5 | | 1 | 60 | |
| <i>Teleaulax</i> spp. | A | cone + half sphere | 2 | cell: 11-15x5-6 | | | | 13 | 5.5 | | 1 | 125 | |
| <i>Teleaulax</i> spp. | A | cone + half sphere | 3 | cell: 13-16x6-7 | | | | 14 | 6.5 | | 1 | 191 | |
| <i>Teleaulax</i> spp. | A | cone + half sphere | 4 | cell: 15-19x6-8 | | | | 17 | 7.5 | | 1 | 305 | |
| <i>Cryptomonadales</i> , unidentified | A | cone + half sphere | 1 | cell: 3x2 | | | | 3 | 2 | | 1 | 4.2 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|-----------------------------|--------------------|---------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Cryptomonadales</i> , unidentified | A | cone + half sphere | 2 | cell: 6x3.5 | | | | 6 | 3.5 | | 1 | 25 | |
| <i>Cryptomonadales</i> , unidentified | A | cone + half sphere | 3 | cell: 8x4.5 | | | | 8 | 4.5 | | 1 | 54 | |
| <i>Cryptomonadales</i> , unidentified | A | cone + half sphere | 3 | cell: 10x5 | | | | 10 | 5 | | 1 | 82 | |
| <i>Cryptomonadales</i> , unidentified | A | cone + half sphere | 4 | cell: 10-12x7 | | | | 11 | 7 | | 1 | 186 | |
| <i>Cryptomonadales</i> , unidentified | A | cone + half sphere | 5 | cell: 15x10 | | | | 15 | 10 | | 1 | 523 | |
| Division DINOPHYTA (PYRROPHYTA) | | | | | | | | | | | | | |
| Class Dinophyceae | | | | | | | | | | | | | |
| Order PROROCENTRALES | | | | | | | | | | | | | |
| <i>Prorocentrum balticum</i> | (Lohmann) Loeblich III 1970 | A | sphere-10% | 1 | cell: 10 | | | | 10 | | 1 | 471 | |
| <i>Prorocentrum balticum</i> | (Lohmann) Loeblich III 1970 | A | sphere-10% | 2 | cell: 13 | | | | 13 | | 1 | 1 035 | |
| <i>Prorocentrum balticum</i> | (Lohmann) Loeblich III 1970 | A | sphere-10% | 3 | cell: 15 | | | | 15 | | 1 | 1 590 | |
| <i>Prorocentrum lima</i> | (Ehrenberg) Dodge 1975 | A | flattened ellipsoid | | cell: 50x60 | 60 | | | 50 | 28 | 1 | 43 960 | |
| <i>Prorocentrum micans</i> | Ehrenberg 1833 | A | flattened ellipsoid | 1 | cell: 50x30 | 50 | | | 30 | 16.5 | 1 | 12 953 | |
| <i>Prorocentrum micans</i> | Ehrenberg 1833 | A | flattened ellipsoid | 2 | cell: 60x40 | 60 | | | 40 | 22 | 1 | 27 632 | |
| <i>Prorocentrum minimum</i> | (Pavillard) Schiller 1933 | A | cone-10% | 1 | cell: 16-18x14-16 | | | | 17 | 15 | 1 | 901 | |
| <i>Prorocentrum minimum</i> | (Pavillard) Schiller 1933 | A | cone-10% | 2 | cell: 18-20x16-17 | | | | 19 | 16.5 | 1 | 1 218 | |
| <i>Prorocentrum minimum</i> | (Pavillard) Schiller 1933 | A | cone-10% | 3 | cell: 20-22x17-19 | | | | 21 | 18 | 1 | 1 602 | |
| <i>Prorocentrum spp.</i> | | A | cone-10% | 1 | cell: 18-20x10-12 | | | | 19 | 11 | 1 | 541 | |

| | Trophy | Geometric shape | Size class No | Cell size range, µm | Length, µm | | Width µm | Height µm | Diameter, µm | | Number of cells/ counting unit | Calculated volume, µm ³ | Comment | |
|-----------------------------|---------------------------|---------------------|---------------------|---------------------|----------------|----------------|----------|-----------|----------------|----------------|-----------------------------------|------------------------------------|---------|---------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Prorocentrum</i> spp. | A | cone-10% | 2 | cell: 18-20x16-17 | | | | 19 | 16.5 | | 1 | 1 218 | | |
| <i>Prorocentrum</i> spp. | A | cone-10% | 3 | cell: 22-25x19-21 | | | | 22.5 | 20 | | 1 | 2 120 | | |
| <i>Prorocentrum</i> spp. | A | flattened ellipsoid | 4 | cell: 50x30 | 50 | | | | 30 | 16.5 | 1 | 12 953 | | |
| <i>Prorocentrum</i> spp. | A | flattened ellipsoid | 5 | cell: 60x40 | 60 | | | | 40 | 22 | 1 | 27 632 | | |
| Order DINOPHYSALES | | | | | | | | | | | | | | |
| <i>Dinophysis acuminata</i> | Claparède & Lachmann 1859 | M | flattened ellipsoid | 1 | cell: 28-32 | 30 | | | | 21 | 15 | 1 | 4 946 | HD fact.=0.5 |
| <i>Dinophysis acuminata</i> | Claparède & Lachmann 1859 | M | flattened ellipsoid | 2 | cell: 33-37 | 35 | | | | 25 | 17.5 | 1 | 8 014 | HD fact.=0.5 |
| <i>Dinophysis acuminata</i> | Claparède & Lachmann 1859 | M | flattened ellipsoid | 3 | cell: 38-42 | 40 | | | | 29 | 20 | 1 | 12 141 | HD fact.=0.5 |
| <i>Dinophysis acuminata</i> | Claparède & Lachmann 1859 | M | flattened ellipsoid | 4 | cell: 43-47 | 45 | | | | 32 | 22.5 | 1 | 16 956 | HD fact.=0.5 |
| <i>Dinophysis acuminata</i> | Claparède & Lachmann 1859 | M | flattened ellipsoid | 5 | cell: 48-52 | 50 | | | | 36 | 25 | 1 | 23 550 | HD fact.=0.5 |
| <i>Dinophysis acuminata</i> | Claparède & Lachmann 1859 | M | flattened ellipsoid | 6 | cell: 53-57 | 55 | | | | 40 | 27.5 | 1 | 31 662 | HD fact.=0.5 |
| <i>Dinophysis acuta</i> | Ehrenberg 1839 | M | flattened ellipsoid | 1 | cell: 55-57 | 56 | | | | 41 | 28 | 1 | 33 644 | HD fact.=0.5 |
| <i>Dinophysis acuta</i> | Ehrenberg 1839 | M | flattened ellipsoid | 2 | cell: 58-60 | 59 | | | | 43 | 29.5 | 1 | 39 167 | HD fact.=0.5 |
| <i>Dinophysis acuta</i> | Ehrenberg 1839 | M | flattened ellipsoid | 3 | cell: 61-65 | 63 | | | | 46 | 31.5 | 1 | 47 774 | HD fact.=0.5 |
| <i>Dinophysis acuta</i> | Ehrenberg 1839 | M | flattened ellipsoid | 4 | cell: 75 | 75 | | | | 55 | 37.5 | 1 | 80 953 | HD fact.=0.5 |
| <i>Dinophysis acuta</i> | Ehrenberg 1839 | M | flattened ellipsoid | 5 | cell: 85 | 85 | | | | 62 | 42.5 | 1 | 117 214 | HD fact.=0.5 |
| <i>Dinophysis dens</i> | Pavillard 1915 | M | flattened ellipsoid | | cell: 45-50 | 48 | | | | 28 | 19.6 | 1 | 13 786 | HD fact.=0.7 |
| <i>Dinophysis norvegica</i> | Claparède & Lachmann 1859 | M | flattened ellipsoid | 1 | cell: 40-50 | 45 | | | | 31 | 20.3 | 1 | 14 784 | HD fact.=0.45 |
| <i>Dinophysis norvegica</i> | Claparède & Lachmann 1859 | M | flattened ellipsoid | 2 | cell: 50-60 | 55 | | | | 37 | 27.5 | 1 | 29 287 | HD fact.=0.5 |
| <i>Dinophysis norvegica</i> | Claparède & Lachmann 1859 | M | flattened ellipsoid | 3 | cell: 60-70 | 65 | | | | 44 | 32.5 | 1 | 48 644 | HD fact.=0.5 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------|---------------------------|--------|---------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Dinophysis norvegica</i> | Claperède & Lachmann 1859 | M | flattened ellipsoid | 4 | cell: 70-80 | 75 | | | | 51 | 37.5 | 1 | 75 066 | HD fact.=0.5 |
| <i>Dinophysis rotundata</i> | Claperède & Lachmann 1859 | H | flattened ellipsoid | 1 | cell: 30-35 | 32.5 | | | | 29 | 8.1 | 1 | 4 042 | 3; 7; HD fact.=0,25 |
| <i>Dinophysis rotundata</i> | Claperède & Lachmann 1859 | H | flattened ellipsoid | 2 | cell: 35-40 | 37 | | | | 33 | 9.3 | 1 | 5 964 | 3; 7; HD fact.=0,25 |
| <i>Dinophysis rotundata</i> | Claperède & Lachmann 1859 | H | flattened ellipsoid | 3 | cell: 40-45 | 43 | | | | 39 | 10.8 | 1 | 9 362 | 3; 7; HD fact.=0,25 |
| <i>Dinophysis rotundata</i> | Claperède & Lachmann 1859 | H | flattened ellipsoid | 4 | cell: 45-55 | 50 | | | | 45 | 12.5 | 1 | 14 719 | 3; 7; HD fact.=0,25 |
| <i>Dinophysis tripos</i> | Gourret 1883 | M | flattened ellipsoid | | cell: 75 | 75 | | | | 40 | 24 | 1 | 37 680 | HD fact.=0.6 |
| <i>Dinophysis spp.</i> | | M | flattened ellipsoid | 1 | cell: 15-20 | 18 | | | | 13 | 8.1 | 1 | 961 | HD fact.=0.45 |
| <i>Dinophysis spp.</i> | | M | flattened ellipsoid | 2 | cell: 20-25 | 23 | | | | 16 | 10.4 | 1 | 2 006 | HD fact.=0.45 |
| <i>Dinophysis spp.</i> | | M | flattened ellipsoid | 3 | cell: 25-30 | 28 | | | | 20 | 12.6 | 1 | 3 619 | HD fact.=0.45 |
| <i>Dinophysis spp.</i> | | M | flattened ellipsoid | 4 | cell: 30-40 | 35 | | | | 25 | 15.8 | 1 | 7 068 | HD fact.=0.45 |
| <i>Dinophysis spp.</i> | | M | flattened ellipsoid | 5 | cell: 40-45 | 43 | | | | 30 | 19.4 | 1 | 13 107 | HD fact.=0.45 |
| <i>Dinophysis spp.</i> | | M | flattened ellipsoid | 6 | cell: 45-50 | 48 | | | | 34 | 21.6 | 1 | 18 231 | HD fact.=0.45 |
| <i>Dinophysis spp.</i> | | M | flattened ellipsoid | 7 | cell: 50-60 | 55 | | | | 39 | 24.8 | 1 | 27 427 | HD fact.=0.45 |
| Order GYMNODINIALES | | | | | | | | | | | | | | |
| <i>Amphidinium carterae</i> | Hulburt 1957 | A | flattened ellipsoid | | cell: 15-20x8-10 | 17 | | | | 9 | 5.4 | 1 | 432 | |
| <i>Amphidinium crassum</i> | Lohmann 1908 | H | flattened ellipsoid | 1 | cell: 20-24x10-14 | 22.5 | | | | 12 | 8 | 1 | 1 136 | |
| <i>Amphidinium crassum</i> | Lohmann 1908 | H | flattened ellipsoid | 2 | cell: 25-30x15-20 | 27.5 | | | | 17 | 11.4 | 1 | 2 787 | |
| <i>Amphidinium longum</i> | Lohmann 1908 | H | flattened ellipsoid | | cell: 30-35x10-12 | 32 | | | | 11 | 7.4 | 1 | 1 358 | |
| <i>Amphidinium pellucidum</i> | Herdman 1922 | H | flattened ellipsoid | | cell: 38-43x20-25 | 40 | | | | 22 | 14.7 | 1 | 6 788 | |
| <i>Amphidinium sphenoides</i> | Wulff 1916 | H | 2 cones | | cell: 36x8.5 | | | | 36 | 8.5 | | 1 | 681 | |
| <i>Amphidinium sphenoides</i> | Wulff 1916 | H | 2 cones | | cell: 36x14 | | | | 36 | 14 | | 1 | 1 846 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|-------------------------------|-----------------|----------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Amphidinium sphenoides</i> | Wulff 1916 | H | 2 cones | cell: 45x15 | | | | 45 | 15 | | 1 | 2 649 | |
| <i>Amphidinium spp.</i> | | A/H | flattened ellipsoid | 1 cell: <10 | 8 | | | | 6 | 3.9 | 1 | 92 | HD fact.=0.7 |
| <i>Amphidinium spp.</i> | | A/H | flattened ellipsoid | 2 cell: 10-15 | 13 | | | | 9 | 6.4 | 1 | 394 | HD fact.=0.7 |
| <i>Amphidinium spp.</i> | | A/H | flattened ellipsoid | 3 cell: 15-20 | 18 | | | | 13 | 8.8 | 1 | 1 047 | HD fact.=0.7 |
| <i>Amphidinium spp.</i> | | A/H | flattened ellipsoid | 4 cell: 20-25 | 22.5 | | | | 14 | 9.5 | 1 | 1 502 | HD fact.=0.7 |
| <i>Amphidinium spp.</i> | | A/H | flattened ellipsoid | 5 cell: 25-30 | 27.5 | | | | 16 | 11.2 | 1 | 2 579 | HD fact.=0.7 |
| <i>Amphidinium spp.</i> | | A/H | flattened ellipsoid | 6 cell: 30-40 | 35 | | | | 25 | 17.2 | 1 | 7 696 | HD fact.=0.7 |
| <i>Amphidinium spp.</i> | | A/H | flattened ellipsoid | 7 cell: 40-45 | 43 | | | | 30 | 21.1 | 1 | 14 272 | HD fact.=0.7 |
| <i>Amphidinium spp.</i> | | A/H | flattened ellipsoid | 8 cell: 45-50 | 48 | | | | 34 | 23.5 | 1 | 19 852 | HD fact.=0.7 |
| <i>Gymnodinium album</i> | Lindemann 1928 | A | flattened ellipsoid | cell: 15x10 | 15 | | | | 10 | 10 | 1 | 785 | |
| <i>Gymnodinium aureolum</i> | (Hulburt) G. Hansen 2000 | A | flattened ellipsoid | 1 cell: 20-25 | 23 | | | | 20 | 15 | 1 | 3 611 | |
| <i>Gymnodinium aureolum</i> | (Hulburt) G. Hansen 2000 | A | flattened ellipsoid | 2 cell: 26-30 | 28 | | | | 23 | 19 | 1 | 6 404 | |
| <i>Gymnodinium galatheanum</i> | Braarud 1957 | A | rotational ellipsoid | cell: 13-17x10 | | | | 13 | 10 | | 1 | 680 | |
| <i>Gymnodinium gracile</i> | Bergh 1881 | H | flattened ellipsoid | 1 cell: 70x30 | 70 | | | | 30 | 21 | 1 | 23 079 | HD fact.=0.7 |
| <i>Gymnodinium gracile</i> | Bergh 1881 | H | flattened ellipsoid | 2 cell: 90x50 | 90 | | | | 50 | 35 | 1 | 82 425 | HD fact.=0.7 |
| <i>Gymnodinium gracile</i> | Bergh 1881 | H | flattened ellipsoid | 2 cell: 100x60 | 100 | | | | 60 | 42 | 1 | 131 880 | HD fact.=0.7 |
| <i>Gymnodinium sanguineum</i> | Hirasaka 1924 | A | flattened ellipsoid | 1 cell: 60x40 | 60 | | | | 40 | 28 | 1 | 35 168 | HD fact.=0.7 |
| <i>Gymnodinium sanguineum</i> | Hirasaka 1924 | A | flattened ellipsoid | 2 cell: 80x40 | 80 | | | | 40 | 28 | 1 | 46 891 | HD fact.=0.7 |
| <i>Gymnodinium sanguineum</i> | Hirasaka 1924 | A | flattened ellipsoid | 3 cell: 90x45 | 90 | | | | 45 | 31.5 | 1 | 66 764 | HD fact.=0.7 |
| <i>Gymnodinium simplex</i> | (Lohmann) Kofoid & Swezy 1921 | A | flattened ellipsoid | 1 cell: 8x6 | 8 | | | | 6 | 4.2 | 1 | 106 | HD fact.=0.7 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------|-------------------------------|--------|---------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Gymnodinium simplex</i> | (Lohmann) Kofoid & Swezy 1921 | A | flattened ellipsoid | 2 | cell: 10x8-9 | 10 | | | | 8.5 | 6 | 1 | 265 | HD fac.=0.7 |
| <i>Gymnodinium simplex</i> | (Lohmann) Kofoid & Swezy 1921 | A | flattened ellipsoid | 3 | cell: 14x8-10 | 14 | | | | 9 | 6.3 | 1 | 415 | HD fac.=0.7 |
| <i>Gymnodinium vestificii</i> | Schütt 1895 | H | 2 cones | 1 | cell: 19x12 | | | | 19 | 12 | | 1 | 716 | |
| <i>Gymnodinium vestificii</i> | Schütt 1895 | H | 2 cones | 2 | cell: 25x12 | | | | 25 | 12 | | 1 | 942 | |
| <i>Gymnodinium vestificii</i> | Schütt 1895 | H | 2 cones | 3 | cell: 29x14 | | | | 29 | 14 | | 1 | 1 487 | |
| <i>Gymnodinium vestificii</i> | Schütt 1895 | H | 2 cones | 4 | cell: 35x14 | | | | 35 | 14 | | 1 | 1 795 | |
| <i>Gymnodinium vestificii</i> | Schütt 1895 | H | 2 cones | 5 | cell: 47x15 | | | | 47 | 15 | | 1 | 2 767 | |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 1 | cell: 5-10x4-6 | 7.5 | | | | 5 | 4 | 1 | 72 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 2 | cell: 10-15x7-10 | 12.5 | | | | 9 | 6 | 1 | 336 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 3 | cell: 15-20x11-13 | 17.5 | | | | 12 | 8 | 1 | 921 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 4 | cell: 20-25x14-17 | 22.5 | | | | 16 | 11 | 1 | 1 957 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 5 | cell: 25-35x18-23 | 30 | | | | 21 | 14 | 1 | 4 639 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 6 | cell: 35-45x30-34 | 40 | | | | 32 | 21 | 1 | 14 362 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 7 | cell: 45-55x38-42 | 50 | | | | 40 | 27 | 1 | 28 051 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 8 | cell: 55-65x44-50 | 60 | | | | 48 | 32 | 1 | 48 472 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 9 | cell: 65-75x54-58 | 70 | | | | 56 | 38 | 1 | 76 971 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 10 | cell: 75-85x62-68 | 80 | | | | 64 | 43 | 1 | 114 896 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 11 | cell: 85-100x72-76 | 93 | | | | 74 | 50 | 1 | 177 606 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 12 | cell: 35-45x18-22 | 40 | | | | 20 | 13 | 1 | 5 610 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 13 | cell: 45-55x23-27 | 50 | | | | 25 | 17 | 1 | 10 957 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 14 | cell: 55-65x28-32 | 60 | | | | 30 | 20 | 1 | 18 934 | HD fac.=0.67 |
| <i>Gymnodinium spp.</i> | | A/H | flattened ellipsoid | 15 | cell: 65-75x33-37 | 70 | | | | 35 | 23 | 1 | 30 067 | HD fac.=0.67 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|-------------------------------|-----------------------------|-----------------|---------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|--------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Gymnodinium</i> spp. | | A/H | flattened ellipsoid | 16 | cell: 75-85x38-42 | 80 | | | | 40 | 27 | 1 | 44 881 | HD fac.=0.67 |
| <i>Gymnodinium</i> spp. | | A/H | flattened ellipsoid | 17 | cell: 85-100x43-48 | 92.5 | | | | 46.3 | 31 | 1 | 69 377 | HD fac.=0.67 |
| <i>Gyrodinium fusiforme</i> | Kofoid & Swezy 1921 | H | flattened ellipsoid | 1 | cell: 70-80x18-22 | 75 | | | | 20 | 13 | 1 | 10 519 | HD fac.=0.67 |
| <i>Gyrodinium fusiforme</i> | Kofoid & Swezy 1921 | H | flattened ellipsoid | 2 | cell: 70-80x22-27 | 75 | | | | 25 | 17 | 1 | 16 436 | HD fac.=0.67 |
| <i>Gyrodinium fusiforme</i> | Kofoid & Swezy 1921 | H | flattened ellipsoid | 3 | cell: 70-80x27-32 | 75 | | | | 30 | 20 | 1 | 23 668 | HD fac.=0.67 |
| <i>Gyrodinium fusiforme</i> | Kofoid & Swezy 1921 | H | flattened ellipsoid | 4 | cell: 70-80x32-37 | 75 | | | | 35 | 23 | 1 | 32 214 | HD fac.=0.67 |
| <i>Gyrodinium resplendens</i> | Hulburt 1957 | A | flattened ellipsoid | | cell: 45-50x20-25 | 48 | | | | 22 | 15 | 1 | 8 146 | HD fac.=0.67 |
| <i>Gyrodinium spirale</i> | (Bergh) Kofoid & Swezy 1921 | H | 2 cones | 1 | cell: 70-100x18-22 | | | | 85 | 20 | | 1 | 8 897 | |
| <i>Gyrodinium spirale</i> | (Bergh) Kofoid & Swezy 1921 | H | 2 cones | 2 | cell: 70-100x22-27 | | | | 85 | 25 | | 1 | 13 901 | |
| <i>Gyrodinium spirale</i> | (Bergh) Kofoid & Swezy 1921 | H | 2 cones | 3 | cell: 70-100x27-32 | | | | 85 | 30 | | 1 | 20 018 | |
| <i>Gyrodinium spirale</i> | (Bergh) Kofoid & Swezy 1921 | H | 2 cones | 4 | cell: 70-100x32-37 | | | | 85 | 35 | | 1 | 27 246 | |
| <i>Gyrodinium spirale</i> | (Bergh) Kofoid & Swezy 1921 | H | 2 cones | 5 | cell: 70-100x37-42 | | | | 85 | 40 | | 1 | 35 587 | |
| <i>Gyrodinium spirale</i> | (Bergh) Kofoid & Swezy 1921 | H | 2 cones | 6 | cell: 100-150x37-42 | | | | 130 | 40 | | 1 | 54 427 | |
| <i>Gyrodinium spirale</i> | (Bergh) Kofoid & Swezy 1921 | H | 2 cones | 7 | cell: 100-150x42-47 | | | | 130 | 45 | | 1 | 68 884 | |
| <i>Gyrodinium spirale</i> | (Bergh) Kofoid & Swezy 1921 | H | 2 cones | 8 | cell: 100-150x47-52 | | | | 130 | 50 | | 1 | 85 042 | |
| <i>Gyrodinium</i> spp. | | A/H | flattened ellipsoid | 1 | cell: 5-10x4-6 | 7.5 | | | | 5.3 | 4 | 1 | 72 | HD fac.=0.67 |
| <i>Gyrodinium</i> spp. | | A/H | flattened ellipsoid | 2 | cell: 10-15x7-10 | 12.5 | | | | 8.8 | 6 | 1 | 336 | HD fac.=0.67 |
| <i>Gyrodinium</i> spp. | | A/H | flattened ellipsoid | 3 | cell: 15-20x11-13 | 17.5 | | | | 12.3 | 8 | 1 | 921 | HD fac.=0.67 |
| <i>Gyrodinium</i> spp. | | A/H | flattened ellipsoid | 4 | cell: 20-25x14-17 | 22.5 | | | | 15.8 | 11 | 1 | 1 957 | HD fac.=0.67 |
| <i>Gyrodinium</i> spp. | | A/H | flattened ellipsoid | 5 | cell: 25-35x18-23 | 30 | | | | 21 | 14 | 1 | 4 639 | HD fac.=0.67 |
| <i>Gyrodinium</i> spp. | | A/H | flattened ellipsoid | 6 | cell: 35-45x30-34 | 40 | | | | 32 | 21 | 1 | 14 362 | HD fac.=0.67 |
| <i>Gyrodinium</i> spp. | | A/H | flattened ellipsoid | 7 | cell: 45-55x38-42 | 50 | | | | 40 | 27 | 1 | 28 051 | HD fac.=0.67 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------|----------------------------|---------------------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|--------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 8 | cell: 55-65x44-50 | 60 | | | | 48 | 32 | 1 | 48 472 | HD fac.=0.67 |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 9 | cell: 65-75x54-58 | 70 | | | | 56 | 38 | 1 | 76 971 | HD fac.=0.67 |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 10 | cell: 75-85x62-68 | 80 | | | | 64 | 43 | 1 | 114 896 | HD fac.=0.67 |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 11 | cell: 85-100x72-76 | 92.5 | | | | 74 | 50 | 1 | 177 606 | HD fac.=0.67 |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 12 | cell: 35-45x18-22 | 40 | | | | 20 | 13 | 1 | 5 610 | HD fac.=0.67 |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 13 | cell: 45-55x23-27 | 50 | | | | 25 | 17 | 1 | 10 957 | HD fac.=0.67 |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 14 | cell: 55-65x28-32 | 60 | | | | 30 | 20 | 1 | 18 934 | HD fac.=0.67 |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 15 | cell: 65-75x33-37 | 70 | | | | 35 | 23 | 1 | 30 067 | HD fac.=0.67 |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 16 | cell: 75-85x38-42 | 80 | | | | 40 | 27 | 1 | 44 881 | HD fac.=0.67 |
| <i>Gyrodinium spp.</i> | | A/H flattened ellipsoid | 17 | cell: 85-100x43-48 | 92.5 | | | | 46.3 | 31 | 1 | 69 377 | HD fac.=0.67 |
| <i>Katodinium glaucum</i> | (Lebour) Loeblich III 1965 | H half cone + cut flattened ellipsoid | 1 | cell: 22x16 | 22 | | | | 16 | 8 | 1 | 1 253 | HD fac.=0.5 |
| <i>Katodinium glaucum</i> | (Lebour) Loeblich III 1965 | H half cone + cut flattened ellipsoid | 2 | cell: 33-36x14-15 | 34.5 | | | | 14.5 | 7 | 1 | 1 613 | HD fac.=0.5 |
| <i>Katodinium glaucum</i> | (Lebour) Loeblich III 1965 | H half cone + cut flattened ellipsoid | 3 | cell: 25-30x20-22 | 27 | | | | 21 | 11 | 1 | 2 648 | HD fac.=0.5 |
| <i>Katodinium glaucum</i> | (Lebour) Loeblich III 1965 | H half cone + cut flattened ellipsoid | 5 | cell: 31-33x23-25 | 32 | | | | 24 | 12 | 1 | 4 100 | HD fac.=0.5 |
| <i>Katodinium glaucum</i> | (Lebour) Loeblich III 1965 | H half cone + cut flattened ellipsoid | 4 | cell: 50x20 | 50 | | | | 20 | 10 | 1 | 4 448 | HD fac.=0.5 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------------|----------------------------|--------|-------------------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|-------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Katodinium glaucum</i> | (Lebour) Loeblich III 1965 | H | half cone + cut flattened ellipsoid | 6 | cell: 34-36x26-30 | 35 | | | | 28 | 14 | 1 | 6 103 | HD fac.=0.5 |
| <i>Katodinium spp.</i> | | A/H | half cone + cut flattened ellipsoid | 1 | cell: 33x14 | 33 | | | | 14 | 7 | 1 | 1 439 | HD fac.=0.5 |
| <i>Katodinium spp.</i> | | A/H | half cone + cut flattened ellipsoid | 2 | cell: 36x15 | 36 | | | | 15 | 8 | 1 | 1 802 | HD fac.=0.5 |
| <i>Katodinium spp.</i> | | A/H | half cone + cut flattened ellipsoid | 3 | cell: 50x20 | 50 | | | | 20 | 10 | 1 | 4 448 | HD fac.=0.5 |
| <i>Polykrikos schwartzii</i> | Bütschli 1873 | H | cylinder | 1 | cell: 40x80 | | | | 80 | 40 | | 1 | 100 480 | |
| <i>Polykrikos schwartzii</i> | Bütschli 1873 | H | cylinder | 2 | cell: 50x60 | | | | 60 | 50 | | 1 | 117 750 | |
| <i>Polykrikos schwartzii</i> | Bütschli 1873 | H | cylinder | 3 | cell: 55x75 | | | | 75 | 55 | | 1 | 178 097 | |
| <i>Polykrikos schwartzii</i> | Bütschli 1873 | H | cylinder | 4 | cell: 60x100 | | | | 100 | 60 | | 1 | 282 600 | |
| <i>Polykrikos schwartzii</i> | Bütschli 1873 | H | cylinder | 5 | cell: 75x160 | | | | 160 | 75 | | 1 | 706 500 | |
| <i>Proterothropsis vigilans</i> | Marshall 1926 | H | flattened ellipsoid | 1 | cell: 20x30 | 30 | | | | 20 | 9 | 1 | 2 826 | |
| <i>Proterothropsis vigilans</i> | Marshall 1926 | H | flattened ellipsoid | 2 | cell: 22x42 | 42 | | | | 22 | 10 | 1 | 4 836 | |
| <i>Torodinium robustum</i> | Kofoid & Swezy 1921 | A | flattened ellipsoid | | cell: 22x42 | 42 | | | | 22 | 10 | 1 | 4 836 | |
| <i>Gymnodiniales spp.</i> | | A/H | sphere-10% | 1 | cell: <10 | | | | | 10 | | 1 | 471 | |
| <i>Gymnodiniales spp.</i> | | A/H | sphere-10% | 2 | cell: 10-15 | | | | | 12 | | 1 | 814 | |
| <i>Gymnodiniales spp.</i> | | A/H | sphere-10% | 3 | cell: 15-20 | | | | | 17 | | 1 | 2 314 | |
| <i>Gymnodiniales spp.</i> | | A/H | sphere-10% | 4 | cell: 20-27 | | | | | 25 | | 1 | 7 359 | |
| <i>Gymnodiniales spp.</i> | | A/H | sphere-10% | 5 | cell: 27-40 | | | | | 30 | | 1 | 12 717 | |
| <i>Gymnodiniales spp.</i> | | A/H | sphere-10% | 6 | cell: 40-50 | | | | | 45 | | 1 | 42 920 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------|---------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Gymnodiniales spp.</i> | | A/H | sphere-10% | 7 | cell: 50-70 | | | | | 60 | | 1 | 101 736 | |
| <i>Gymnodiniales spp.</i> | | A/H | sphere-10% | 8 | cell: 70 | | | | | 70 | | 1 | 161 553 | |
| <i>Gymnodiniales spp.</i> | | A/H | 2 cones | 9 | cell: <10 | | | | 10 | 8 | | 1 | 167 | |
| <i>Gymnodiniales spp.</i> | | A/H | 2 cones | 10 | cell: 10-15 | | | | 12.5 | 10 | | 1 | 327 | |
| <i>Gymnodiniales spp.</i> | | A/H | 2 cones | 11 | cell: 15-20 | | | | 17.5 | 14 | | 1 | 898 | |
| <i>Gymnodiniales spp.</i> | | A/H | 2 cones | 12 | cell: 20-27 | | | | 23.5 | 18.8 | | 1 | 2 173 | |
| <i>Gymnodiniales spp.</i> | | A/H | 2 cones | 13 | cell: 27-40 | | | | 34 | 27.2 | | 1 | 6 582 | |
| <i>Gymnodiniales spp.</i> | | A/H | 2 cones | 14 | cell: 40-50 | | | | 45 | 36 | | 1 | 15 260 | |
| <i>Gymnodiniales spp.</i> | | A/H | 2 cones | 15 | cell: 50-70 | | | | 60 | 48 | | 1 | 36 173 | |
| <i>Gymnodiniales spp.</i> | | A/H | 2 cones | 16 | cell: 70 | | | | 70 | 56 | | 1 | 57 441 | |
| <i>Gymnodiniales spp.</i> | | A/H | rotational ellipsoid | 17 | cell: <10 | | | | 10 | 8 | | 1 | 335 | |
| <i>Gymnodiniales spp.</i> | | A/H | rotational ellipsoid | 18 | cell: 10-15 | | | | 12 | 9 | | 1 | 509 | |
| <i>Gymnodiniales spp.</i> | | A/H | rotational ellipsoid | 19 | cell: 15-20 | | | | 17 | 11.9 | | 1 | 1 260 | |
| <i>Gymnodiniales spp.</i> | | A/H | rotational ellipsoid | 20 | cell: 20-27 | | | | 25 | 16.3 | | 1 | 3 455 | |
| <i>Gymnodiniales spp.</i> | | A/H | rotational ellipsoid | 21 | cell: 27-40 | | | | 32 | 19.2 | | 1 | 6 173 | |
| <i>Gymnodiniales spp.</i> | | A/H | rotational ellipsoid | 22 | cell: 40-50 | | | | 45 | 24.8 | | 1 | 14 426 | |
| <i>Gymnodiniales spp.</i> | | A/H | rotational ellipsoid | 23 | cell: 50-70 | | | | 60 | 30 | | 1 | 28 260 | |
| <i>Gymnodiniales spp.</i> | | A/H | rotational ellipsoid | 24 | cell: 70 | | | | 70 | 28 | | 1 | 28 721 | |
| Order OXYRRHINALES | | | | | | | | | | | | | | |
| <i>Oxyrrhis marina</i> | Dujardin 1841 | H | flattened ellipsoid | | cell: 14x8 | 14 | | | | 8 | 5 | 1 | 293 | |
| Order NOCTILUCALES | | | | | | | | | | | | | | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|-----------------------------------|--------|---------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Noctiluca scintillans</i> | (Macartney) Kofoid & Swezy 1921 | H | sphere | 1 | cell: 300-500 | | | | | 400 | | 1 | 33493333 | |
| <i>Noctiluca scintillans</i> | (Macartney) Kofoid & Swezy 1921 | H | sphere | 2 | cell: 500-700 | | | | | 600 | | 1 | 113040000 | |
| <i>Noctiluca scintillans</i> | (Macartney) Kofoid & Swezy 1921 | H | sphere | 3 | cell: 700-900 | | | | | 800 | | 1 | 267946667 | |
| <i>Noctiluca scintillans</i> | (Macartney) Kofoid & Swezy 1921 | H | sphere | 4 | cell: 900-1100 | | | | | 1000 | | 1 | 523333333 | |
| <i>Pronoctiluca pelagica</i> | Fabre-Domerque 1889 | H | flattened ellipsoid | | cell: 45x12 | 35 | | | | 12 | 10 | 1 | 2 198 | 4 |
| Order PHYTODINIALES (BLASTODINIALES) | | | | | | | | | | | | | | |
| <i>Dissodinium pseudolunula</i> | Swift ex Elbrächter & Drebes 1978 | A | monoraphidoid | 1 | cell: 20-23 | | | | | 22 | | 1 | 32 500 | 5; 6 |
| <i>Dissodinium pseudolunula</i> | Swift ex Elbrächter & Drebes 1978 | A | monoraphidoid | 2 | cell: 24-26 | | | | | 25 | | 1 | 43 000 | 5; 6 |
| <i>Dissodinium pseudolunula</i> | Swift ex Elbrächter & Drebes 1978 | A | monoraphidoid | 3 | cell: 27-31 | | | | | 29 | | 1 | 55 000 | 5; 6 |
| Order PERIDINIALES | | | | | | | | | | | | | | |
| <i>Diplopsalis lenticula</i> | Bergh 1881 | H | sphere | 1 | cell: 30 | | | | | 30 | | 1 | 14 130 | |
| <i>Diplopsalis lenticula</i> | Bergh 1881 | H | sphere | 2 | cell: 45 | | | | | 45 | | 1 | 47 689 | |
| <i>Durinskia baltica</i> | (Levander) Carty & E. R. Cox 1986 | A | sphere-20% | 1 | cell: 18-22 | | | | | 20 | | 1 | 3 349 | |
| <i>Durinskia baltica</i> | (Levander) Carty & E. R. Cox 1986 | A | sphere-20% | 2 | cell: 23-27 | | | | | 25 | | 1 | 6 542 | |
| <i>Durinskia baltica</i> | (Levander) Carty & E. R. Cox 1986 | A | sphere-20% | 3 | cell: 28-32 | | | | | 30 | | 1 | 11 304 | |
| <i>Glenodinium danicum</i> | Paulsen 1907 | A | flattened ellipsoid | | cell: 18-22 | 20 | | | | 20 | 13 | 1 | 2 805 | HD fac.=0.67 |
| <i>Glenodinium paululum</i> | Lindemann 1928 | A | flattened ellipsoid | | cell: 20-25 | 22.5 | | | | 18 | 12 | 1 | 2 556 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 1 | cell: 5-10x4-6 | 7.5 | | | | 5 | 4 | 1 | 72 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 2 | cell: 10-15x7-10 | 12.5 | | | | 8.8 | 6 | 1 | 336 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 3 | cell: 15-20x11-13 | 17.5 | | | | 12.3 | 8 | 1 | 921 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 4 | cell: 20-25x14-17 | 22.5 | | | | 15.8 | 11 | 1 | 1 957 | HD fac.=0.67 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------|-----------------------|--------|---------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 5 | cell: 25-35x18-23 | 30 | | | | 21 | 14 | 1 | 4 639 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 6 | cell: 35-45x30-34 | 40 | | | | 32 | 21 | 1 | 14 362 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 7 | cell: 45-55x38-42 | 50 | | | | 40 | 27 | 1 | 28 051 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 8 | cell: 55-65x44-50 | 60 | | | | 48 | 32 | 1 | 48 472 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 9 | cell: 35-45x18-22 | 40 | | | | 20 | 13 | 1 | 5 610 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 10 | cell: 45-55x23-27 | 50 | | | | 25 | 17 | 1 | 10 957 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 11 | cell: 55-65x28-32 | 60 | | | | 30 | 20 | 1 | 18 934 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 12 | cell: 65-75x33-37 | 70 | | | | 35 | 23 | 1 | 30 067 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 13 | cell: 75-85x38-42 | 80 | | | | 40 | 27 | 1 | 44 881 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | flattened ellipsoid | 14 | cell: 85-100x43-48 | 92.5 | | | | 46.3 | 31 | 1 | 69 377 | HD fac.=0.67 |
| <i>Glenodinium spp.</i> | | A/H | sphere-25% | 15 | cell: 5-10 | | | | | 7.5 | | 1 | 166 | |
| <i>Glenodinium spp.</i> | | A/H | sphere-25% | 16 | cell: 10-15 | | | | | 12.5 | | 1 | 767 | |
| <i>Glenodinium spp.</i> | | A/H | sphere-25% | 17 | cell: 15-20 | | | | | 17.5 | | 1 | 2 104 | |
| <i>Glenodinium spp.</i> | | A/H | sphere-25% | 18 | cell: 20-25 | | | | | 22.5 | | 1 | 4 471 | |
| <i>Glenodinium spp.</i> | | A/H | sphere-25% | 19 | cell: 25-35 | | | | | 30 | | 1 | 10 598 | |
| <i>Glenodinium spp.</i> | | A/H | sphere-25% | 20 | cell: 35-45 | | | | | 40 | | 1 | 25 120 | |
| <i>Glenodinium spp.</i> | | A/H | sphere-25% | 21 | cell: 45-55 | | | | | 50 | | 1 | 49 063 | |
| <i>Heterocapsa cf. minima</i> | Pomroy 1989 | A | 2 cones | 1 | cell: 7-9 | | | | 8 | 7 | | 1 | 103 | |
| <i>Heterocapsa cf. minima</i> | Pomroy 1989 | A | 2 cones | 2 | cell: 9-11 | | | | 10 | 8 | | 1 | 167 | |
| <i>Heterocapsa rotundata</i> | (Lohmann) Hansen 1995 | A | cone + half sphere | 1 | cell: 10-12x5-7 | | | | 11 | 6 | | 1 | 132 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------------|---------------------------------|--------|--------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Heterocapsa rotundata</i> | (Lohmann) Hansen 1995 | A | cone + half sphere | 2 | cell: 12-15x7-10 | | | | 13.5 | 8.5 | | 1 | 336 | |
| <i>Heterocapsa triquetra</i> | (Ehrenberg) Stein 1883 | M | 2 cones | 1 | cell: 15-17x8 | | | | 16 | 8 | | 1 | 268 | |
| <i>Heterocapsa triquetra</i> | (Ehrenberg) Stein 1883 | M | 2 cones | 2 | cell: 17-19x11 | | | | 18 | 11 | | 1 | 570 | |
| <i>Heterocapsa triquetra</i> | (Ehrenberg) Stein 1883 | M | 2 cones | 3 | cell: 19-21x14-15 | | | | 20 | 14.5 | | 1 | 1 100 | |
| <i>Heterocapsa triquetra</i> | (Ehrenberg) Stein 1883 | M | 2 cones | 4 | cell: 22-24x15 | | | | 23 | 15 | | 1 | 1 354 | |
| <i>Heterocapsa triquetra</i> | (Ehrenberg) Stein 1883 | M | 2 cones | 5 | cell: 25-28x17-21 | | | | 27 | 19 | | 1 | 2 550 | |
| <i>Heterocapsa triquetra</i> | (Ehrenberg) Stein 1883 | M | 2 cones | 6 | cell: 32-34x21-23 | | | | 33 | 22 | | 1 | 4 179 | |
| <i>Heterocapsa spp.</i> | | A | cone + half sphere | 1 | cell: 10-12x 5-7 | | | | 11 | 6 | | 1 | 132 | |
| <i>Heterocapsa spp.</i> | | A | cone + half sphere | 2 | cell: 12-15x 7-10 | | | | 13.5 | 8.5 | | 1 | 336 | |
| <i>Heterocapsa spp.</i> | | A | 2 cones | 3 | cell: 15-17x 8 | | | | 16 | 8 | | 1 | 268 | |
| <i>Heterocapsa spp.</i> | | A | 2 cones | 4 | cell: 17-19 x11 | | | | 18 | 11 | | 1 | 570 | |
| <i>Heterocapsa spp.</i> | | A | 2 cones | 5 | cell: 20x14-15 | | | | 20 | 14.5 | | 1 | 1 100 | |
| <i>Heterocapsa spp.</i> | | A | 2 cones | 6 | cell: 23x15 | | | | 23 | 15 | | 1 | 1 354 | |
| <i>Heterocapsa spp.</i> | | A | 2 cones | 7 | cell: 25-28x17-21 | | | | 27 | 19 | | 1 | 2 550 | |
| <i>Heterocapsa spp.</i> | | A | 2 cones | 8 | cell: 32-34x21-23 | | | | 33 | 22 | | 1 | 4 179 | |
| <i>Kryptoperidinium foliaceum</i> | (Stein) Lindemann 1924 | A | sphere-25% | | cell: 30 | | | | | 30 | | 1 | 10 598 | |
| <i>Oblea rotunda</i> | (Lebour) Balech ex Sourmia 1973 | H | sphere-10% | | cell: 30 | | | | | 30 | | 1 | 12 717 | |
| <i>Oblea rotunda complex</i> | | A/H | sphere-10% | 1 | cell: 22-28 | | | | | 25 | | 1 | 7 359 | |
| <i>Oblea rotunda complex</i> | | A/H | sphere-10% | 2 | cell: 28-33 | | | | | 30 | | 1 | 12 717 | |
| <i>Oblea rotunda complex</i> | | A/H | sphere-10% | 3 | cell: 34-36 | | | | | 35 | | 1 | 20 194 | |
| <i>Pentapharsodinium dalei</i> | Indelicato & Loeblich III 1986 | A | cone + half sphere | 1 | cell: <15 | | | | 14 | 10 | | 1 | 497 | |
| <i>Pentapharsodinium dalei</i> | Indelicato & Loeblich III 1986 | A | cone + half sphere | 2 | cell: 15-20 | | | | 18 | 14 | | 1 | 1 282 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------------|--------------------------------|--------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Pentapharsodinium dalei</i> | Indelicato & Loeblich III 1986 | A | cone + half sphere | 3 | cell: 20-25 | | | | 23 | 20 | | 1 | 3 454 | |
| <i>Peridinium cinctum</i> | (O.F. Müller) Ehrenberg 1838 | A | sphere- 20% | | cell: 45 | | | | | 45 | | 1 | 38 151 | |
| <i>Peridinium inconspicuum</i> | Lemmermann 1899 | A | flattened ellipsoid | | cell: 20x30 | 30 | | | | 20 | 13 | 1 | 4 208 | |
| <i>Preperidinium meunieri</i> | (Pavillard) Elbrächter 1993 | H | flattened ellipsoid | 1 | cell: 48x28 | 48 | | | | 28 | 19 | 1 | 13 195 | |
| <i>Preperidinium meunieri</i> | (Pavillard) Elbrächter 1993 | H | flattened ellipsoid | 2 | cell: 55x38 | 55 | | | | 38 | 25 | 1 | 27 847 | |
| <i>Protoperidinium achromaticum</i> | (Levander) Balech 1974 | H | sphere- 10% | 1 | cell: 33-37 | | | | | 35 | | 1 | 20 194 | |
| <i>Protoperidinium achromaticum</i> | (Levander) Balech 1974 | H | sphere- 10% | 2 | cell: 38-42 | | | | | 40 | | 1 | 30 144 | |
| <i>Protoperidinium bipes</i> | (Paulsen) Balech 1974 | H | half cone | 1 | cell: 18-22x12-14 | | | | 20 | 13 | | 1 | 442 | |
| <i>Protoperidinium bipes</i> | (Paulsen) Balech 1974 | H | half cone | 2 | cell: 23-26x17-21 | | | | 25 | 19 | | 1 | 1 181 | |
| <i>Protoperidinium bipes</i> | (Paulsen) Balech 1974 | H | half cone | 3 | cell: 27-30x22-26 | | | | 28 | 24 | | 1 | 2 110 | |
| <i>Protoperidinium breve</i> | (Paulsen) Balech 1974 | H | sphere- 10% | 1 | cell: 23-27 | | | | | 25 | | 1 | 7 359 | |
| <i>Protoperidinium breve</i> | (Paulsen) Balech 1974 | H | sphere- 10% | 2 | cell: 28-32 | | | | | 30 | | 1 | 12 717 | |
| <i>Protoperidinium breve</i> | (Paulsen) Balech 1974 | H | sphere- 10% | 3 | cell: 33-37 | | | | | 35 | | 1 | 20 194 | |
| <i>Protoperidinium breve</i> | (Paulsen) Balech 1974 | H | sphere- 10% | 4 | cell: 38-42 | | | | | 40 | | 1 | 30 144 | |
| <i>Protoperidinium breve</i> | (Paulsen) Balech 1974 | H | sphere- 10% | 5 | cell: 43-47 | | | | | 45 | | 1 | 42 920 | |
| <i>Protoperidinium breve</i> | (Paulsen) Balech 1974 | H | sphere- 10% | 6 | cell: 48-52 | | | | | 50 | | 1 | 58 875 | |
| <i>Protoperidinium brevipes</i> | (Paulsen) Balech 1974 | H | cone + half sphere | 1 | cell: 18-22 | | | | 20 | 20 | | 1 | 3 140 | |
| <i>Protoperidinium brevipes</i> | (Paulsen) Balech 1974 | H | cone + half sphere | 2 | cell: 23-29 | | | | 26 | 26 | | 1 | 6 899 | |
| <i>Protoperidinium brevipes</i> | (Paulsen) Balech 1974 | H | cone + half sphere | 3 | cell: 30-35 | | | | 34 | 31 | | 1 | 12 447 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------------|-------------------------|--------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Protoperidinium brevipes</i> | (Paulsen) Balech 1974 | H | cone + half sphere | 4 | cell: 36-40 | | | | 37 | 37 | | 1 | 19 881 | |
| <i>Protoperidinium claudicans</i> | (Paulsen) Balech 1974 | H | cone + half sphere | 1 | cell: 83x55 | | | | 83 | 55 | | 1 | 87 465 | |
| <i>Protoperidinium claudicans</i> | (Paulsen) Balech 1974 | H | cone + half sphere | 2 | cell: 84x72 | | | | 84 | 72 | | 1 | 162 778 | |
| <i>Protoperidinium claudicans</i> | (Paulsen) Balech 1974 | H | cone + half sphere | 3 | cell: 85x65 | | | | 85 | 65 | | 1 | 129 901 | |
| <i>Protoperidinium conicoides</i> | (Paulsen) Balech 1973 | H | cone + half sphere | 1 | cell: 44-48 | | | | 46 | 46 | | 1 | 38 204 | |
| <i>Protoperidinium conicoides</i> | (Paulsen) Balech 1973 | H | cone + half sphere | 2 | cell: 48-52 | | | | 50 | 50 | | 1 | 49 063 | |
| <i>Protoperidinium conicoides</i> | (Paulsen) Balech 1973 | H | cone + half sphere | 3 | cell: 52-57 | | | | 55 | 55 | | 1 | 65 302 | |
| <i>Protoperidinium conicum</i> | (Gran) Balech 1974 | H | cone + half sphere | 1 | cell: 52-57 | | | | 55 | 55 | | 1 | 65 302 | |
| <i>Protoperidinium conicum</i> | (Gran) Balech 1974 | H | cone + half sphere | 2 | cell: 57-62 | | | | 60 | 50 | | 1 | 55 604 | |
| <i>Protoperidinium conicum</i> | (Gran) Balech 1974 | H | cone + half sphere | 3 | cell: 72-77 | | | | 75 | 75 | | 1 | 165 586 | |
| <i>Protoperidinium conicum</i> | (Gran) Balech 1974 | H | cone + half sphere | 4 | cell: 77-82 | | | | 80 | 80 | | 1 | 200 960 | |
| <i>Protoperidinium conicum</i> | (Gran) Balech 1974 | H | cone + half sphere | 5 | cell: 87-92 | | | | 90 | 90 | | 1 | 286 133 | |
| <i>Protoperidinium curvipes</i> | (Ostenfeld) Balech 1974 | H | cone + half sphere | | cell: 75-85 | | | | 70 | 70 | | 1 | 134 628 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------------|------------------------------|--------|---------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Protoperidinium denticulatum</i> | (Gran & Braarud) Balech 1974 | H | flattened ellipsoid - 20% | | cell: 45-55 | 50 | | | | 30 | 23 | 1 | 14 130 | |
| <i>Protoperidinium depressum</i> | (J.W. Bailey) Balech 1974 | H | (cone + half sphere)- 20% | 1 | cell: 65-75 | | | | 110 | 70 | | 1 | 148 731 | |
| <i>Protoperidinium depressum</i> | (J.W. Bailey) Balech 1974 | H | (cone + half sphere)- 20% | 2 | cell: 95-105 | | | | 100 | 100 | | 1 | 314 000 | |
| <i>Protoperidinium depressum</i> | (J.W. Bailey) Balech 1974 | H | (cone + half sphere)- 20% | 3 | cell: 105-115 | | | | 110 | 110 | | 1 | 417 934 | |
| <i>Protoperidinium depressum</i> | (J.W. Bailey) Balech 1974 | H | (cone + half sphere)- 20% | 4 | cell: 115-130 | | | | 125 | 90 | | 1 | 288 252 | |
| <i>Protoperidinium depressum</i> | (J.W. Bailey) Balech 1974 | H | (cone + half sphere)- 20% | 5 | cell: 130-150 | | | | 140 | 115 | | 1 | 546 766 | |
| <i>Protoperidinium divergens</i> | (Ehrenberg) Balech 1974 | H | (cone + half sphere)- 20% | 1 | cell: 80x60 | | | | 80 | 60 | | 1 | 82 896 | |
| <i>Protoperidinium divergens</i> | (Ehrenberg) Balech 1974 | H | (cone + half sphere)- 20% | 2 | cell: 85x65 | | | | 85 | 65 | | 1 | 103 921 | |
| <i>Protoperidinium divergens</i> | (Ehrenberg) Balech 1974 | H | (cone + half sphere)- 20% | 3 | cell: 83x70 | | | | 83 | 70 | | 1 | 121 037 | |
| <i>Protoperidinium granii</i> | (Ostenfeld) Balech 1974 | H | (cone + half sphere)- 20% | 1 | cell: 25-27 | | | | 35 | 25 | | 1 | 6 215 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|------------------------------------|---|--------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Protoperidinium granii</i> | (Ostenfeld) Balech 1974 | H | (cone + half sphere)-20% | 2 | cell: 28-30 | | | | 37 | 29 | | 1 | 9 067 | |
| <i>Protoperidinium granii</i> | (Ostenfeld) Balech 1974 | H | (cone + half sphere)-20% | 3 | cell: 31-33 | | | | 39 | 32 | | 1 | 11 790 | |
| <i>Protoperidinium granii</i> | (Ostenfeld) Balech 1974 | H | (cone + half sphere)-20% | 4 | cell: 34-36 | | | | 40 | 35 | | 1 | 14 745 | |
| <i>Protoperidinium granii</i> | (Ostenfeld) Balech 1974 | H | (cone + half sphere)-20% | 5 | cell: 37-39 | | | | 41 | 38 | | 1 | 18 137 | |
| <i>Protoperidinium granii</i> | (Ostenfeld) Balech 1974 | H | (cone + half sphere)-20% | 6 | cell: 40-42 | | | | 42 | 41 | | 1 | 21 993 | |
| <i>Protoperidinium granii</i> | (Ostenfeld) Balech 1974 | H | (cone + half sphere)-20% | 7 | cell: 43-45 | | | | 47 | 44 | | 1 | 27 964 | |
| <i>Protoperidinium leonis</i> | (Pavillard) Balech 1974 | H | 2 cones-30% | | cell: 60 | | | | 60 | 60 | | 1 | 39 564 | |
| <i>Protoperidinium longispinum</i> | (Kofoid) Balech 1974 | H | (cone + half sphere)-20% | | cell: 70-90 | | | | 80 | 60 | | 1 | 82 896 | |
| <i>Protoperidinium minutum</i> | (Kofoid) Loeblich III 1969 | H | sphere-20% | 1 | cell: 38-42 | | | | | 40 | | 1 | 26 795 | |
| <i>Protoperidinium minutum</i> | (Kofoid) Loeblich III 1969 | H | sphere-20% | 2 | cell: 43-48 | | | | | 46 | | 1 | 40 751 | |
| <i>Protoperidinium oblongum</i> | (Aurivillius) Parke & Dodge in Parke & Dixon 1976 | H | (cone + half sphere)-20% | 1 | cell: 75-85 | | | | 80 | 60 | | 1 | 82 896 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------------|---|--------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Protoperidinium oblongum</i> | (Aurivillius) Parke & Dodge in Parke & Dixon 1976 | H | (cone + half sphere)-20% | 2 | cell: 85-95 | | | | 90 | 50 | | 1 | 60 183 | |
| <i>Protoperidinium oblongum</i> | (Aurivillius) Parke & Dodge in Parke & Dixon 1976 | H | (cone + half sphere)-20% | 3 | cell: 95-105 | | | | 100 | 70 | | 1 | 138 474 | |
| <i>Protoperidinium oblongum</i> | (Aurivillius) Parke & Dodge in Parke & Dixon 1976 | H | (cone + half sphere)-20% | 4 | cell: 105-115 | | | | 110 | 65 | | 1 | 126 032 | |
| <i>Protoperidinium oblongum</i> | (Aurivillius) Parke & Dodge in Parke & Dixon 1976 | H | (cone + half sphere)-20% | 5 | cell: 130-150 | | | | 140 | 110 | | 1 | 493 922 | |
| <i>Protoperidinium pallidum</i> | (Ostenfeld) Balech 1973 | H | (cone + half sphere)-20% | 1 | cell: 52-57 | | | | 70 | 55 | | 1 | 61 740 | |
| <i>Protoperidinium pallidum</i> | (Ostenfeld) Balech 1973 | H | (cone + half sphere)-20% | 2 | cell: 57-62 | | | | 80 | 60 | | 1 | 82 896 | |
| <i>Protoperidinium pallidum</i> | (Ostenfeld) Balech 1973 | H | (cone + half sphere)-20% | 3 | cell: 67-72 | | | | 90 | 70 | | 1 | 128 217 | |
| <i>Protoperidinium pellucidum</i> | Bergh 1881 | H | (cone + half sphere)-25% | 1 | cell: 35-37 | | | | 42 | 36 | | 1 | 15 260 | |
| <i>Protoperidinium pellucidum</i> | Bergh 1881 | H | (cone + half sphere)-25% | 2 | cell: 38-40 | | | | 60 | 40 | | 1 | 25 120 | |
| <i>Protoperidinium pellucidum</i> | Bergh 1881 | H | (cone + half sphere)-25% | 3 | cell: 41-43 | | | | 52 | 42 | | 1 | 25 272 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------------|-----------------------------|--------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Protoperidinium pellucidum</i> | Bergh 1881 | H | (cone + half sphere)-25% | 4 | cell: 44-46 | | | | 47 | 45 | | 1 | 27 620 | |
| <i>Protoperidinium pellucidum</i> | Bergh 1881 | H | (cone + half sphere)-25% | 5 | cell: 47-49 | | | | 55 | 48 | | 1 | 35 721 | |
| <i>Protoperidinium pellucidum</i> | Bergh 1881 | H | (cone + half sphere)-25% | 6 | cell: 50-52 | | | | 52 | 52 | | 1 | 41 391 | |
| <i>Protoperidinium pentagonum</i> | (Gran) Balech 1974 | H | 2 cones-30% | | cell: 80x60 | | | | 80 | 60 | | 1 | 52 752 | |
| <i>Protoperidinium pyriforme</i> | (Paulsen) Balech 1974 | H | cone + half sphere | | cell: 50x40 | | | | 50 | 40 | | 1 | 29 307 | |
| <i>Protoperidinium steinii</i> | (E. Jørgensen) Balech 1974 | H | (cone + half sphere)-25% | 1 | cell: 32-37 | | | | 30 | 35 | | 1 | 11 419 | |
| <i>Protoperidinium steinii</i> | (E. Jørgensen) Balech 1974 | H | (cone + half sphere)-25% | 2 | cell: 37-42 | | | | 50 | 40 | | 1 | 21 980 | |
| <i>Protoperidinium subinermis</i> | (Paulsen) Loeblich III 1969 | H | (cone + half sphere)-25% | 1 | cell: 40x40 | | | | 40 | 40 | | 1 | 18 840 | |
| <i>Protoperidinium subinermis</i> | (Paulsen) Loeblich III 1969 | H | (cone + half sphere)-25% | 2 | cell: 46x44 | | | | 46 | 44 | | 1 | 25 836 | |
| <i>Protoperidinium subinermis</i> | (Paulsen) Loeblich III 1969 | H | (cone + half sphere)-25% | 3 | cell: 60x50 | | | | 60 | 50 | | 1 | 41 703 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|----------------------------------|-----------------------|--------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Protoperidinium thorianum</i> | (Paulsen) Balech 1973 | H | rotational ellipsoid-20% | 1 | cell: 60x50 | | | | 60 | 50 | | 1 | 62 800 | |
| <i>Protoperidinium thorianum</i> | (Paulsen) Balech 1973 | H | rotational ellipsoid-20% | 2 | cell: 70x60 | | | | 70 | 60 | | 1 | 105 504 | |
| <i>Protoperidinium spp.</i> | | H | (cone + half sphere)-25% | 1 | cell: 20x15 | | | | 20 | 15 | | 1 | 1 214 | |
| <i>Protoperidinium spp.</i> | | H | (cone + half sphere)-25% | 2 | cell: 25x20 | | | | 25 | 20 | | 1 | 2 748 | |
| <i>Protoperidinium spp.</i> | | H | (cone + half sphere)-25% | 3 | cell: 30x25 | | | | 30 | 25 | | 1 | 5 213 | |
| <i>Protoperidinium spp.</i> | | H | (cone + half sphere)-25% | 4 | cell: 35x30 | | | | 35 | 30 | | 1 | 8 831 | |
| <i>Protoperidinium spp.</i> | | H | (cone + half sphere)-25% | 5 | cell: 45x30 | | | | 40 | 35 | | 1 | 13 823 | |
| <i>Protoperidinium spp.</i> | | H | (cone + half sphere)-25% | 6 | cell: 45x40 | | | | 45 | 40 | | 1 | 20 410 | |
| <i>Protoperidinium spp.</i> | | H | (cone + half sphere)-25% | 7 | cell: 50x45 | | | | 50 | 45 | | 1 | 28 812 | |
| <i>Protoperidinium spp.</i> | | H | (cone + half sphere)-25% | 8 | cell: 55x50 | | | | 55 | 50 | | 1 | 39 250 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|---|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Protoperdinium spp.</i> | H | (cone + half sphere)-25% | 9 | cell: 60x50 | | | | 60 | 55 | | 1 | 51 945 | |
| <i>Scrippsiella hangoei</i> | (Schiller) Larsen <i>in</i> Larsen <i>et al.</i> 1995 | A sphere | 1 | cell: 16-18 | | | | | 16 | | 1 | 2 144 | |
| <i>Scrippsiella hangoei</i> | (Schiller) Larsen <i>in</i> Larsen <i>et al.</i> 1995 | A sphere | 2 | cell: 19-21 | | | | | 20 | | 1 | 4 187 | |
| <i>Scrippsiella hangoei</i> | (Schiller) Larsen <i>in</i> Larsen <i>et al.</i> 1995 | A sphere | 3 | cell: 22-24 | | | | | 23 | | 1 | 6 367 | |
| <i>Scrippsiella hangoei</i> | (Schiller) Larsen <i>in</i> Larsen <i>et al.</i> 1995 | A sphere | 4 | cell: 25-27 | | | | | 26 | | 1 | 9 198 | |
| <i>Scrippsiella hangoei</i> | (Schiller) Larsen <i>in</i> Larsen <i>et al.</i> 1995 | A sphere | 5 | cell: 28-30 | | | | | 29 | | 1 | 12 764 | |
| <i>Scrippsiella hangoei</i> | (Schiller) Larsen <i>in</i> Larsen <i>et al.</i> 1995 | A rotational ellipsoid | 6 | cell: 18x20 | | | | 20 | 18 | | 1 | 3 391 | |
| <i>Scrippsiella hangoei</i> | (Schiller) Larsen <i>in</i> Larsen <i>et al.</i> 1995 | A rotational ellipsoid | 7 | cell: 22x25 | | | | 25 | 22 | | 1 | 6 332 | |
| <i>Scrippsiella hangoei</i> | (Schiller) Larsen <i>in</i> Larsen <i>et al.</i> 1995 | A rotational ellipsoid | 8 | cell: 26x30 | | | | 30 | 26 | | 1 | 10 613 | |
| <i>Scrippsiella trochoidea</i> | (Stein) Loeblich III 1976 | A cone + half sphere | 1 | cell: 15x17 | | | | 17.4 | 14.5 | | 1 | 1 356 | |
| <i>Scrippsiella trochoidea</i> | (Stein) Loeblich III 1976 | A cone + half sphere | 2 | cell: 25x25 | | | | 25 | 25 | | 1 | 6 133 | |
| <i>Scrippsiella trochoidea</i> | (Stein) Loeblich III 1976 | A cone + half sphere | 3 | cell: 28x30 | | | | 30 | 28 | | 1 | 9 026 | |
| <i>Peridinales spp.</i> | | A/H sphere-20% | 1 | cell: <10 | | | | | 8 | | 1 | 214 | |
| <i>Peridinales spp.</i> | | A/H sphere-20% | 2 | cell: 10-15 | | | | | 12 | | 1 | 723 | |
| <i>Peridinales spp.</i> | | A/H sphere-20% | 3 | cell: 15-20 | | | | | 17 | | 1 | 2 057 | |
| <i>Peridinales spp.</i> | | A/H sphere-20% | 4 | cell: 20-27 | | | | | 25 | | 1 | 6 542 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Peridinales spp.</i> | A/H | sphere-20% | 5 | cell: 27-40 | | | | | 32 | | 1 | 13 719 | |
| <i>Peridinales spp.</i> | A/H | sphere-20% | 6 | cell: 40-50 | | | | | 45 | | 1 | 38 151 | |
| <i>Peridinales spp.</i> | A/H | sphere-20% | 7 | cell: 50-70 | | | | | 60 | | 1 | 90 432 | |
| <i>Peridinales spp.</i> | A/H | sphere-20% | 8 | cell: 70 | | | | | 70 | | 1 | 143 603 | |
| <i>Peridinales spp.</i> | A/H | 2 cones | 9 | cell: <10 | | | | 10 | 8 | | 1 | 167 | |
| <i>Peridinales spp.</i> | A/H | 2 cones | 10 | cell: 10-15 | | | | 12 | 9 | | 1 | 254 | |
| <i>Peridinales spp.</i> | A/H | 2 cones | 11 | cell: 15-20 | | | | 17 | 11.9 | | 1 | 630 | |
| <i>Peridinales spp.</i> | A/H | 2 cones | 12 | cell: 20-27 | | | | 25 | 16.3 | | 1 | 1 727 | |
| <i>Peridinales spp.</i> | A/H | 2 cones | 13 | cell: 27-40 | | | | 32 | 19.2 | | 1 | 3 087 | |
| <i>Peridinales spp.</i> | A/H | 2 cones | 14 | cell: 40-50 | | | | 45 | 24.8 | | 1 | 7 213 | |
| <i>Peridinales spp.</i> | A/H | 2 cones | 15 | cell: 50-70 | | | | 60 | 30 | | 1 | 14 130 | |
| <i>Peridinales spp.</i> | A/H | 2 cones | 16 | cell: 70 | | | | 70 | 28 | | 1 | 14 360 | |
| <i>Peridinales spp.</i> | A/H | rotational ellipsoid | 17 | cell: <10 | | | | 10 | 8 | | 1 | 335 | |
| <i>Peridinales spp.</i> | A/H | rotational ellipsoid | 18 | cell: 10-15 | | | | 12 | 9 | | 1 | 509 | |
| <i>Peridinales spp.</i> | A/H | rotational ellipsoid | 19 | cell: 15-20 | | | | 17 | 11.9 | | 1 | 1 260 | |
| <i>Peridinales spp.</i> | A/H | rotational ellipsoid | 20 | cell: 20-27 | | | | 25 | 16.3 | | 1 | 3 455 | |
| <i>Peridinales spp.</i> | A/H | rotational ellipsoid | 21 | cell: 27-40 | | | | 32 | 19.2 | | 1 | 6 173 | |
| <i>Peridinales spp.</i> | A/H | rotational ellipsoid | 22 | cell: 40-50 | | | | 45 | 24.8 | | 1 | 14 426 | |
| <i>Peridinales spp.</i> | A/H | rotational ellipsoid | 23 | cell: 50-70 | | | | 60 | 30 | | 1 | 28 260 | |
| <i>Peridinales spp.</i> | A/H | rotational ellipsoid | 24 | cell: 70 | | | | 70 | 28 | | 1 | 28 721 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------------|--------------------------------|-----------------|--------------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| Order GONYAULACALES | | | | | | | | | | | | | |
| <i>Alexandrium minutum</i> | Halim 1960 | A | rotational ellipsoid | 1 | cell: 23-25 | | | 24 | 24 | | 1 | 7 235 | 6 |
| <i>Alexandrium minutum</i> | Halim 1960 | A | rotational ellipsoid | 2 | cell: 26-29 | | | 27 | 28 | | 1 | 11 078 | 6 |
| <i>Alexandrium ostenfeldii</i> | (Paulsen) Balech & Tangen 1985 | A | rotational ellipsoid | 1 | cell: 32-37 | | | 35 | 34 | | 1 | 21 174 | 6 |
| <i>Alexandrium ostenfeldii</i> | (Paulsen) Balech & Tangen 1985 | A | rotational ellipsoid | 2 | cell: 50-55 | | | 54 | 50 | | 1 | 70 650 | 6 |
| <i>Alexandrium tamarensense</i> | (Lebour) Balech 1995 | A | rotational ellipsoid | 1 | cell: 25-27 | | | 25 | 26 | | 1 | 8 844 | 6 |
| <i>Alexandrium tamarensense</i> | (Lebour) Balech 1995 | A | rotational ellipsoid | 2 | cell: 28-30 | | | 35 | 30 | | 1 | 16 485 | 6 |
| <i>Alexandrium tamarensense</i> | (Lebour) Balech 1995 | A | rotational ellipsoid | 3 | cell: 31-32 | | | 33 | 32 | | 1 | 17 684 | 6 |
| <i>Alexandrium spp.</i> | | A | rotational ellipsoid | 1 | cell: 23-25 | | | 24 | 24 | | 1 | 7 235 | 6 |
| <i>Alexandrium spp.</i> | | A | rotational ellipsoid | 2 | cell: 26-29 | | | 27 | 28 | | 1 | 11 078 | 6 |
| <i>Alexandrium spp.</i> | | A | rotational ellipsoid | 3 | cell: 30-32 | | | 33 | 31 | | 1 | 16 596 | 6 |
| <i>Amylax triacantha</i> | (E. Jørgensen) Sournia 1984 | A | (cone + half sphere)-25% | 1 | cell: 35-45x23-26 | | | 40 | 25 | | 1 | 6 439 | |
| <i>Amylax triacantha</i> | (E. Jørgensen) Sournia 1984 | A | (cone + half sphere)-25% | 2 | cell: 45-55x27-30 | | | 50 | 29 | | 1 | 10 645 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|------------------------------|---------------------------------------|--------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Amylax triacantha</i> | (E. Jørgensen) Sournia 1984 | A | (cone + half sphere)-25% | 3 | cell: 35-45x34-37 | | | | 40 | 35 | | 1 | 13 823 | |
| <i>Amylax triacantha</i> | (E. Jørgensen) Sournia 1984 | A | (cone + half sphere)-25% | 4 | cell: 47-57x35-40 | | | | 52 | 38 | | 1 | 20 120 | |
| <i>Ceratium furca</i> | (Ehrenberg) Claparède & Lachmann 1859 | A | | 1 | cell: 35-45 | | | | | 40 | | 1 | 30 000 | 5; 6 |
| <i>Ceratium furca</i> | (Ehrenberg) Claparède & Lachmann 1859 | A | | 2 | cell: 45-55 | | | | | 50 | | 1 | 50 000 | 5; 6 |
| <i>Ceratium furca</i> | (Ehrenberg) Claparède & Lachmann 1859 | A | | 3 | cell: 55-65 | | | | | 60 | | 1 | 75 000 | 5; 6 |
| <i>Ceratium fusus</i> | (Ehrenberg) Dujardin 1841 | A | | 1 | cell: 15-25 | | | | | 20 | | 1 | 12 000 | 5; 6 |
| <i>Ceratium fusus</i> | (Ehrenberg) Dujardin 1841 | A | | 2 | cell: 25-35 | | | | | 22 | | 1 | 27 000 | 5; 6 |
| <i>Ceratium hirundinella</i> | (O.F. Müller) Schrank 1793 | A | | 1 | cell: 110-130 | | | | | 55 | | 1 | 15 377 | 5; 7 |
| <i>Ceratium hirundinella</i> | (O.F. Müller) Schrank 1793 | A | | 2 | cell: 130-150 | | | | | 55 | | 1 | 20 403 | 5; 7 |
| <i>Ceratium hirundinella</i> | (O.F. Müller) Schrank 1793 | A | | 2 | cell: 150-180 | | | | | 55 | | 1 | 25 532 | 5; 7 |
| <i>Ceratium horridum</i> | (P.T. Cleve) Gran 1902 | A | | 1 | cell: 40x200-250 | | | | | 40 | | 1 | 44 526 | 5; 6 |
| <i>Ceratium horridum</i> | (P.T. Cleve) Gran 1902 | A | | 2 | cell: 50x200-250 | | | | | 50 | | 1 | 75 961 | 5; 6 |
| <i>Ceratium horridum</i> | (P.T. Cleve) Gran 1902 | A | | 3 | cell: 60x200-250 | | | | | 60 | | 1 | 123 146 | 5; 6 |
| <i>Ceratium lineatum</i> | (Ehrenberg) P.T. Cleve 1899 | A | | 1 | cell: 25-30 | | | | | 25 | | 1 | 9 000 | 5; 6 |
| <i>Ceratium lineatum</i> | (Ehrenberg) P.T. Cleve 1899 | A | | 2 | cell: 30-35 | | | | | 30 | | 1 | 13 000 | 5; 6 |
| <i>Ceratium lineatum</i> | (Ehrenberg) P.T. Cleve 1899 | A | | 3 | cell: 35-40 | | | | | 35 | | 1 | 17 000 | 5; 6 |
| <i>Ceratium lineatum</i> | (Ehrenberg) P.T. Cleve 1899 | A | | 4 | cell: 40-45 | | | | | 40 | | 1 | 20 000 | 5; 6 |
| <i>Ceratium lineatum</i> | (Ehrenberg) P.T. Cleve 1899 | A | | 5 | cell: 45-50 | | | | | 50 | | 1 | 28 000 | 5; 6 |
| <i>Ceratium longipes</i> | (J.W. Bailey) Gran 1902 | A | | 1 | cell: 45-55 | | | | | 50 | | 1 | 58 000 | 5; 6 |
| <i>Ceratium longipes</i> | (J.W. Bailey) Gran 1902 | A | | 2 | cell: 55-65 | | | | | 60 | | 1 | 101 250 | 5; 6 |
| <i>Ceratium macroceros</i> | (Ehrenberg) Vanhöffen 1897 | A | | 1 | cell: 40-50 | | | | | 45 | | 1 | 41 258 | 5; 6 |
| <i>Ceratium macroceros</i> | (Ehrenberg) Vanhöffen 1897 | A | | 2 | cell: 50-60 | | | | | 55 | | 1 | 60 000 | 5; 6 |
| <i>Ceratium tripos</i> | (O.F. Müller) Nitzsch 1817 | A | | 1 | cell: 30-40 | | | | | 35 | | 1 | 23 200 | 5; 6 |
| <i>Ceratium tripos</i> | (O.F. Müller) Nitzsch 1817 | A | | 2 | cell: 40-50 | | | | | 45 | | 1 | 40 300 | 5; 6 |
| <i>Ceratium tripos</i> | (O.F. Müller) Nitzsch 1817 | A | | 3 | cell: 50-60 | | | | | 55 | | 1 | 63 800 | 5; 6 |
| <i>Ceratium tripos</i> | (O.F. Müller) Nitzsch 1817 | A | | 4 | cell: 60-70 | | | | | 65 | | 1 | 104 100 | 5; 6 |
| <i>Ceratium tripos</i> | (O.F. Müller) Nitzsch 1817 | A | | 5 | cell: 70-80 | | | | | 75 | | 1 | 174 800 | 5; 6 |
| <i>Ceratium tripos</i> | (O.F. Müller) Nitzsch 1817 | A | | 5 | cell: 80-90 | | | | | 85 | | 1 | 210 000 | 5; 6 |
| <i>Cladopyxis claytonii</i> | R.W. Holmes 1956 | A | sphere | 1 | cell: 14-20 | | | | | 17 | | 1 | 2 571 | |
| <i>Cladopyxis claytonii</i> | R.W. Holmes 1956 | A | sphere | 2 | cell: 20-25 | | | | | 22.4 | | 1 | 5 882 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|-----------------------------|-------------------------------------|-----------------|------------------------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|---|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Cladopyxis setifera</i> | Lohmann 1902 | A | sphere | 1 | cell: 10 | | | | | 10 | | 1 | 523 | |
| <i>Cladopyxis setifera</i> | Lohmann 1902 | A | sphere | 2 | cell: 15 | | | | | 15 | | 1 | 1 766 | |
| <i>Cladopyxis setifera</i> | Lohmann 1902 | A | sphere | 3 | cell: 17 | | | | | 17 | | 1 | 2 571 | |
| <i>Cladopyxis setifera</i> | Lohmann 1902 | A | sphere | 4 | cell: 21 | | | | | 21 | | 1 | 4 847 | |
| <i>Gonyaulax digitale</i> | (Pouchet) Kofoid 1911 | A | cone + half sphere | 1 | cell: 26x44 | | | | 44 | 26 | | 1 | 10 083 | |
| <i>Gonyaulax digitale</i> | (Pouchet) Kofoid 1911 | A | cone + half sphere | 2 | cell: 36x56 | | | | 56 | 36 | | 1 | 25 095 | |
| <i>Gonyaulax digitale</i> | (Pouchet) Kofoid 1911 | A | cone + half sphere | 3 | cell: 43-46x54-60 | | | | 57 | 44.5 | | 1 | 41 065 | |
| <i>Gonyaulax polygramma</i> | Stein 1883 | A | cone + half sphere | | cell: 30 | | | | 30 | 30 | | 1 | 10 598 | |
| <i>Gonyaulax spinifera</i> | (Claparède & Lachmann) Diesing 1866 | A | cone + half sphere | 1 | cell: 30 | | | | 35 | 30 | | 1 | 11 775 | 6 |
| <i>Gonyaulax spinifera</i> | (Claparède & Lachmann) Diesing 1866 | A | cone + half sphere | 2 | cell: 35 | | | | 35 | 35 | | 1 | 16 828 | 6 |
| <i>Gonyaulax spinifera</i> | (Claparède & Lachmann) Diesing 1866 | A | cone + half sphere | 3 | cell: 40 | | | | 40 | 40 | | 1 | 25 120 | 6 |
| <i>Gonyaulax verior</i> | Sournia 1973 | A | (cone + half sphere)- 25% | 1 | cell: 24x40 | | | | 40 | 24 | | 1 | 5 878 | |
| <i>Gonyaulax verior</i> | Sournia 1973 | A | (cone + half sphere)- 25% | 2 | cell: 50x64 | | | | 64 | 50 | | 1 | 43 666 | |
| <i>Gonyaulax verior</i> | Sournia 1973 | A | (cone + half sphere)- 25% | 3 | cell: 60-64x70-72 | | | | 71 | 62 | | 1 | 76 947 | |
| <i>Gonyaulax spp.</i> | | A | sphere- 25% | 1 | cell: 20-25 | | | | | 22 | | 1 | 4 179 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|----------------------------------|--------------------------------------|---------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Gonyaulax</i> spp. | | A sphere-25% | 2 | cell: 25-35 | | | | | 30 | | 1 | 10 598 | |
| <i>Gonyaulax</i> spp. | | A sphere-25% | 3 | cell: 35-45 | | | | | 40 | | 1 | 25 120 | |
| <i>Gonyaulax</i> spp. | | A sphere-25% | 4 | cell: 45-55 | | | | | 50 | | 1 | 49 063 | |
| <i>Lingulodinium polyedrum</i> | (Stein) Dodge 1989 | A rotational ellipsoid | 1 | cell: 30x30 | | | | 30 | 30 | | 1 | 14 130 | |
| <i>Lingulodinium polyedrum</i> | (Stein) Dodge 1989 | A rotational ellipsoid | 2 | cell: 34x38 | | | | 38 | 34 | | 1 | 22 989 | |
| <i>Lingulodinium polyedrum</i> | (Stein) Dodge 1989 | A rotational ellipsoid | 3 | cell: 37x44 | | | | 44 | 37 | | 1 | 31 524 | |
| <i>Lingulodinium polyedrum</i> | (Stein) Dodge 1989 | A rotational ellipsoid | 4 | cell: 41x50 | | | | 50 | 41 | | 1 | 43 986 | |
| <i>Peridiniella catenata</i> | (Levander) Balech 1977 | A half sphere | 1 | cell: 20-23 | | | | | 22 | | 1 | 2 786 | |
| <i>Peridiniella catenata</i> | (Levander) Balech 1977 | A half sphere | 2 | cell: 24-26 | | | | | 25 | | 1 | 4 089 | |
| <i>Peridiniella catenata</i> | (Levander) Balech 1977 | A half sphere | 3 | cell: 27-30 | | | | | 28 | | 1 | 5 744 | |
| <i>Peridiniella catenata</i> | (Levander) Balech 1977 | A half sphere | 4 | cell: 31-35 | | | | | 33 | | 1 | 9 404 | |
| <i>Peridiniella catenata</i> | (Levander) Balech 1977 | A half sphere | 5 | cell: 36-40 | | | | | 38 | | 1 | 14 358 | |
| <i>Protoceratium reticulatum</i> | (Claparède & Lachmann) Bütschli 1885 | A sphere-10% | 1 | cell: 23 | | | | | 23 | | 1 | 5 731 | |
| <i>Protoceratium reticulatum</i> | (Claparède & Lachmann) Bütschli 1885 | A sphere-10% | 2 | cell: 30 | | | | | 30 | | 1 | 12 717 | |
| <i>Protoceratium reticulatum</i> | (Claparède & Lachmann) Bütschli 1885 | A sphere-10% | 3 | cell: 34-35 | | | | | 34.5 | | 1 | 19 341 | |
| <i>Pyrophacus horologicum</i> | Stein 1883 | A flattened ellipsoid-20% | 1 | cell: 60-70 | 32 | | | | 65 | 60 | 1 | 52 250 | |
| <i>Pyrophacus horologicum</i> | Stein 1883 | A flattened ellipsoid-20% | 2 | cell: 70-80 | 37 | | | | 75 | 70 | 1 | 81 326 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|-----------------------------|--------|-------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Pyrophacus horologicum</i> | Stein 1883 | A | flattened ellipsoid-20% | 3 | cell: 80-90 | 42 | | | | 85 | 80 | 1 | 119 571 | |
| <i>Dinophyceae</i> cysts | | | sphere | 1 | cell: <10 | | | | | 10 | | 1 | 523 | |
| <i>Dinophyceae</i> cysts | | | sphere | 2 | cell: 10-15 | | | | | 12.5 | | 1 | 1 022 | |
| <i>Dinophyceae</i> cysts | | | sphere | 3 | cell: 15-20 | | | | | 17.5 | | 1 | 2 805 | |
| <i>Dinophyceae</i> cysts | | | sphere | 4 | cell: 20-25 | | | | | 22.5 | | 1 | 5 961 | |
| <i>Dinophyceae</i> cysts | | | sphere | 5 | cell: 25-30 | | | | | 27.5 | | 1 | 10 884 | |
| <i>Dinophyceae</i> cysts | | | sphere | 6 | cell: 40 | | | | | 40 | | 1 | 33 493 | |
| <i>Dinophyceae</i> cysts | | | sphere | 7 | cell: 45 | | | | | 45 | | 1 | 47 689 | |
| <i>Dinophyceae</i> cysts | | | sphere | 8 | cell: 50 | | | | | 50 | | 1 | 65 417 | |
| Division HAPTOPHYTA | | | | | | | | | | | | | | |
| Class Prymnesiophyceae (Haptophyceae) | | | | | | | | | | | | | | |
| Order PRYMNESIALES | | | | | | | | | | | | | | |
| <i>Acanthoica quattropsina</i> | Lohmann 1903 | M | rotational ellipsoid | | cell: 7-8x14 | | | | 14 | 7.5 | | 1 | 412 | |
| <i>Chrysochromulina hirta</i> | Manton 1978 | M | sphere | | cell: 7 | | | | | 7 | | 1 | 180 | |
| <i>Chrysochromulina polylepis</i> | Manton & Parke 1962 | M | flattened ellipsoid | 1 | cell: 7-10 | 8 | | | | 6.3 | 5 | 1 | 133 | |
| <i>Chrysochromulina polylepis</i> | Manton & Parke 1962 | M | flattened ellipsoid | 2 | cell: 10-13 | 11 | | | | 7 | 6 | 1 | 242 | |
| <i>Chrysochromulina polylepis</i> | Manton & Parke 1962 | M | flattened ellipsoid | 3 | cell: 13-16 | 15 | | | | 8 | 7 | 1 | 440 | |
| <i>Chrysochromulina</i> spp. | | M | sphere | 1 | cell: 2-4 | | | | | 3 | | 1 | 14 | |
| <i>Chrysochromulina</i> spp. | | M | sphere | 2 | cell: 4-6 | | | | | 5 | | 1 | 65 | |
| <i>Chrysochromulina</i> spp. | | M | flattened ellipsoid | 3 | cell: 4-6 | 5 | | | | 5 | 2.7 | 1 | 35 | |
| <i>Chrysochromulina</i> spp. | | M | flattened ellipsoid | 4 | cell: 6-10 | 8 | | | | 6.3 | 5 | 1 | 132 | |
| <i>Chrysochromulina</i> spp. | | M | flattened ellipsoid | 5 | cell: 10-15 | 12 | | | | 9 | 8 | 1 | 452 | |
| <i>Emiliania huxleyi</i> | (Lohmann) Hay & Mohler 1967 | A | sphere | 1 | cell: 2-4 | | | | | 3 | | 1 | 14 | |
| <i>Emiliania huxleyi</i> | (Lohmann) Hay & Mohler 1967 | A | sphere | 2 | cell: 4-6 | | | | | 5 | | 1 | 65 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|---|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Phaeocystis globosa</i> | Scherffel 1899 | A | sphere-10% | | cell: 6 | | | | | 6 | | 1 | 102 | * |
| <i>Phaeocystis pouchetii</i> | (Hariot) Lagerheim 1893 | A | sphere | 1 | cell: 4-6 | | | | | 5 | | 1 | 65 | |
| <i>Phaeocystis pouchetii</i> | (Hariot) Lagerheim 1893 | A | sphere | 2 | cell: 7-9 | | | | | 8 | | 1 | 268 | |
| <i>Phaeocystis spp.</i> | | A | sphere | | cell: 4-5 | | | | | 4.5 | | 1 | 48 | |
| <i>Pleurochrysis carterae</i> | (Braarud & Fagerland) Christensen 1978 | A | sphere | | cell: 10-12 | | | | | 11.2 | | 1 | 735 | |
| <i>Pleurochrysis spp.</i> | | A | sphere | | cell: 10-12 | | | | | 11.2 | | 1 | 735 | |
| <i>Prymnesium spp.</i> | | M | rotational ellipsoid | | cell: 10-12 | | | | 11 | 8 | | 1 | 368 | |
| Order PAVLOVALES | | | | | | | | | | | | | | |
| <i>Pavlova spp.</i> | | A | flattened ellipsoid | | cell: 7-9 | 8 | | | | 6 | 4 | 1 | 88 | |
| Division CHRYSOPHYTA (HETEROKONTOPHYTA) | | | | | | | | | | | | | | |
| Class Chrysophyceae | | | | | | | | | | | | | | |
| Order OCHROMONADALES | | | | | | | | | | | | | | |
| <i>Dinobryon balticum</i> | (Schütt) Lemmermann 1901 | M | rotational ellipsoid | 1 | cell: 2x10 | | | | 10 | 2 | | 1 | 21 | |
| <i>Dinobryon balticum</i> | (Schütt) Lemmermann 1901 | M | rotational ellipsoid | 2 | cell: 4-5x7-12 | | | | 9.6 | 4.5 | | 1 | 102 | |
| <i>Dinobryon balticum</i> | (Schütt) Lemmermann 1901 | M | rotational ellipsoid | 3 | cell: 6x12 | | | | 12 | 6 | | 1 | 226 | |
| <i>Dinobryon bavaricum</i> | Imhof 1890 | M | rotational ellipsoid | | cell: 6x10-12 | | | | 11.2 | 6 | | 1 | 211 | |
| <i>Dinobryon cylindricum</i> | Imhof 1890 | M | rotational ellipsoid | | cell: 5.6x8.4 | | | | 8.4 | 5.6 | | 1 | 138 | |
| <i>Dinobryon divergens</i> | Imhof 1890 | M | rotational ellipsoid | 1 | cell: 4x7 | | | | 7 | 4 | | 1 | 59 | |
| <i>Dinobryon divergens</i> | Imhof 1890 | M | rotational ellipsoid | 2 | cell: 7x14 | | | | 14 | 7 | | 1 | 359 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------------|-----------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Dinobryon faculiferum</i> | (Willén) Willén 1992 | M | rotational ellipsoid | 1 | cell: 3x7 | | | | 7 | 3 | | 1 | 33 | |
| <i>Dinobryon faculiferum</i> | (Willén) Willén 1992 | M | rotational ellipsoid | 2 | cell: 4x8 | | | | 8 | 4 | | 1 | 67 | |
| <i>Dinobryon faculiferum</i> | (Willén) Willén 1992 | M | rotational ellipsoid | 3 | cell: 5x7 | | | | 7 | 5 | | 1 | 92 | |
| <i>Dinobryon spp.</i> | | M | rotational ellipsoid | 1 | cell: 3x4 | | | | 4 | 3 | | 1 | 19 | |
| <i>Dinobryon spp.</i> | | M | rotational ellipsoid | 2 | cell: 4x5 | | | | 5 | 4 | | 1 | 42 | |
| <i>Paraphysomonas spp.</i> | | H | sphere | 1 | cell: 3-5 | | | | | 4 | | 1 | 33 | |
| <i>Paraphysomonas spp.</i> | | H | sphere | 2 | cell: 5-10 | | | | | 7 | | 1 | 180 | |
| <i>Uroglena americana</i> | Calkins 1892 | A | flattened ellipsoid | | cell: 8-10 | 8.7 | | | | 5 | 3 | 1 | 68 | |
| <i>Uroglena spp.</i> | | A | sphere | | cell: 3-5 | | | | | 4 | | 1 | 33 | |
| Order PEDINELLALES | | | | | | | | | | | | | | |
| <i>Apedinella radians</i> | (Lohmann) Campbell 1973 | A | sphere | 1 | cell: 7-8 | | | | | 7.5 | | 1 | 221 | |
| <i>Apedinella radians</i> | (Lohmann) Campbell 1973 | A | sphere | 2 | cell: 8-9 | | | | | 8.5 | | 1 | 321 | |
| <i>Apedinella radians</i> | (Lohmann) Campbell 1973 | A | sphere | 3 | cell: 9-10 | | | | | 9.5 | | 1 | 449 | |
| <i>Apedinella radians</i> | (Lohmann) Campbell 1973 | A | sphere | 3 | cell: 10-11 | | | | | 10.5 | | 1 | 606 | |
| <i>Pseudopedinella elastica</i> | Skuja 1948 | A | sphere | 1 | cell: 10 | | | | | 10 | | 1 | 523 | |
| <i>Pseudopedinella elastica</i> | Skuja 1948 | A | sphere | 2 | cell: 12 | | | | | 12 | | 1 | 904 | |
| <i>Pseudopedinella pyriforme</i> | N. Carter 1937 | A | sphere | 1 | cell: 6 | | | | | 6 | | 1 | 113 | |
| <i>Pseudopedinella pyriforme</i> | N. Carter 1937 | A | sphere | 2 | cell: 8 | | | | | 8 | | 1 | 268 | |
| <i>Pseudopedinella tricostata</i> | (Rouchijajnen) Thomsen 1988 | A | sphere | 1 | cell: 4 | | | | | 4 | | 1 | 33 | |
| <i>Pseudopedinella tricostata</i> | (Rouchijajnen) Thomsen 1988 | A | sphere | 2 | cell: 5 | | | | | 5 | | 1 | 65 | |
| <i>Pseudopedinella tricostata</i> | (Rouchijajnen) Thomsen 1988 | A | sphere | 3 | cell: 6 | | | | | 6 | | 1 | 113 | |
| <i>Pseudopedinella spp.</i> | | A | sphere | 1 | cell: 4 | | | | | 4 | | 1 | 33 | |
| <i>Pseudopedinella spp.</i> | | A | sphere | 2 | cell: 6 | | | | | 6 | | 1 | 113 | |
| <i>Pseudopedinella spp.</i> | | A | sphere | 3 | cell: 8 | | | | | 8 | | 1 | 268 | |
| <i>Pseudopedinella spp.</i> | | A | sphere | 4 | cell: 10 | | | | | 10 | | 1 | 523 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|---|-----------------|---------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Pseudopedinella</i> spp. | A | sphere | 5 | cell: 12 | | | | | 12 | | 1 | 904 | |
| Class Dicyochophyceae | | | | | | | | | | | | | |
| Order DICTYOCHEALES | | | | | | | | | | | | | |
| <i>Dictyocha speculum</i> | Ehrenberg 1839 | A | half sphere | cell: 20 | | | | | 20 | | 1 | 2 093 | |
| Class Synurophyceae | | | | | | | | | | | | | |
| Order SYNURALES | | | | | | | | | | | | | |
| <i>Mallomonas acaroides</i> | Ruttner <i>in</i> Pascher 1913 | A | flattened ellipsoid | cell: 15-20x10-13 | 16.8 | | | | 12.2 | 10 | 1 | 1 073 | |
| <i>Mallomonas akrokomos</i> | Ruttner <i>in</i> Pascher 1913 | A | cone | cell: 20-22x6-7 | | | | 21 | 6.5 | | 1 | 232 | |
| <i>Mallomonas caudata</i> | Iwanoff 1899 emend. W. Krieger 1930 | A | cone + half sphere | cell: 40-45x20-25 | | | | 42 | 22 | | 1 | 6 712 | |
| <i>Synura uvella</i> | Ehrenberg <i>emend.</i> Korshikov 1929 | A | cone + half sphere | cell: 8x10 | | | | 10 | 8.4 | | 1 | 262 | |
| <i>Synura uvella</i> | Ehrenberg <i>emend.</i> Korshikov 1929 | A | cone + half sphere | cell: 15x15 | | | | 15 | 15 | | 1 | 1 325 | |
| <i>Synura</i> spp. | | A | cone + half sphere | cell: 8x5 | | | | 8 | 5 | | 1 | 69 | |
| Class Diatomophyceae (Bacillariophyceae) | | | | | | | | | | | | | |
| Order EUPODISCALES (BIDDULPHIALES, CENTRALES) | | | | | | | | | | | | | |
| <i>Actinocyclus normanii</i> f. <i>normanii</i> | (Gregory <i>in</i> Greville) Hustedt 1957 | A | cylinder | cell: 22-27 | | | | 25 | 25 | | 1 | 12 266 | 6 |
| <i>Actinocyclus normanii</i> f. <i>normanii</i> | (Gregory <i>in</i> Greville) Hustedt 1957 | A | cylinder | cell: 28-32 | | | | 28 | 30 | | 1 | 19 782 | 6 |
| <i>Actinocyclus normanii</i> f. <i>normanii</i> | (Gregory <i>in</i> Greville) Hustedt 1957 | A | cylinder | cell: 33-37 | | | | 29 | 35 | | 1 | 27 887 | 6 |
| <i>Actinocyclus normanii</i> f. <i>normanii</i> | (Gregory <i>in</i> Greville) Hustedt 1957 | A | cylinder | cell: 38-42 | | | | 35 | 40 | | 1 | 43 960 | 6 |
| <i>Actinocyclus normanii</i> f. <i>normanii</i> | (Gregory <i>in</i> Greville) Hustedt 1957 | A | cylinder | cell: 43-47 | | | | 30 | 45 | | 1 | 47 689 | 6 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|---|------------------------------------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|-----------|---|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Actinocyclus normanii</i> f. <i>normanii</i> | (Gregory in Greville) Hustedt 1957 | A | cylinder | 6 | cell: 48-52 | | | | 42 | 50 | | 1 | 82 425 | 6 |
| <i>Actinocyclus normanii</i> f. <i>subsalsus</i> | (Juhlin-Dannfelt) Hustedt 1957 | A | cylinder | 1 | cell: 18-22 | | | | 22 | 20 | | 1 | 6 908 | 6 |
| <i>Actinocyclus normanii</i> f. <i>subsalsus</i> | (Juhlin-Dannfelt) Hustedt 1957 | A | cylinder | 2 | cell: 22-27 | | | | 25 | 25 | | 1 | 12 266 | 6 |
| <i>Actinocyclus normanii</i> f. <i>subsalsus</i> | (Juhlin-Dannfelt) Hustedt 1957 | A | cylinder | 3 | cell: 28-32 | | | | 28 | 30 | | 1 | 19 782 | 6 |
| <i>Actinocyclus normanii</i> f. <i>subsalsus</i> | (Juhlin-Dannfelt) Hustedt 1957 | A | cylinder | 4 | cell: 33-37 | | | | 26 | 35 | | 1 | 25 002 | 6 |
| <i>Actinocyclus normanii</i> f. <i>subsalsus</i> | (Juhlin-Dannfelt) Hustedt 1957 | A | cylinder | 5 | cell: 38-42 | | | | 35 | 40 | | 1 | 43 960 | 6 |
| <i>Actinocyclus normanii</i> f. <i>subsalsus</i> | (Juhlin-Dannfelt) Hustedt 1957 | A | cylinder | 6 | cell: 43-47 | | | | 32 | 45 | | 1 | 50 868 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 1 | cell: 22-27 | | | | 23.75 | 25 | | 1 | 11 652 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 2 | cell: 28-32 | | | | 29 | 30 | | 1 | 20 489 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 3 | cell: 33-37 | | | | 33.25 | 35 | | 1 | 31 974 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 4 | cell: 38-42 | | | | 38 | 40 | | 1 | 47 728 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 5 | cell: 43-50 | | | | 42.75 | 45 | | 1 | 67 956 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 6 | cell: 50-60 | | | | 35.75 | 55 | | 1 | 84 893 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 7 | cell: 60-70 | | | | 42.25 | 65 | | 1 | 140 127 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 8 | cell: 70-90 | | | | 52 | 80 | | 1 | 261 248 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 9 | cell: 90-110 | | | | 65 | 100 | | 1 | 510 250 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 10 | cell: 110-130 | | | | 65 | 120 | | 1 | 734 760 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>octonarius</i> | Ehrenberg 1838 | A | cylinder | 11 | cell: 130-150 | | | | 91 | 140 | | 1 | 1 400 126 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>crassus</i> | (W. Smith) Hendey 1954 | A | cylinder | 1 | cell: 18-22 | | | | 25 | 20 | | 1 | 7 850 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>crassus</i> | (W. Smith) Hendey 1954 | A | cylinder | 2 | cell: 22-27 | | | | 28 | 25 | | 1 | 13 738 | 6 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|---|----------------------------|-----------------|------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|---|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Actinocyclus octonarius</i> v. <i>crassus</i> | (W. Smith) Hende y 1954 | A | cylinder | 3 | cell: 28-32 | | | | 32 | 30 | | 1 | 22 608 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>crassus</i> | (W. Smith) Hende y 1954 | A | cylinder | 4 | cell: 33-37 | | | | 38 | 35 | | 1 | 36 542 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>crassus</i> | (W. Smith) Hende y 1954 | A | cylinder | 5 | cell: 38-42 | | | | 45 | 40 | | 1 | 56 520 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>crassus</i> | (W. Smith) Hende y 1954 | A | cylinder | 6 | cell: 43-47 | | | | 48 | 45 | | 1 | 76 302 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>crassus</i> | (W. Smith) Hende y 1954 | A | cylinder | 7 | cell: 48-52 | | | | 50 | 50 | | 1 | 98 125 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>tenellus</i> | (Brébisson) Hende y 1954 | A | cylinder | 1 | cell: 15-20 | | | | 22.4 | 16.8 | | 1 | 4 963 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>tenellus</i> | (Brébisson) Hende y 1954 | A | cylinder | 2 | cell: 21-23 | | | | 22 | 22 | | 1 | 8 359 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>tenellus</i> | (Brébisson) Hende y 1954 | A | cylinder | 3 | cell: 24-27 | | | | 30 | 25 | | 1 | 14 719 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>tenellus</i> | (Brébisson) Hende y 1954 | A | cylinder | 4 | cell: 28-32 | | | | 31 | 31 | | 1 | 23 386 | 6 |
| <i>Actinocyclus octonarius</i> v. <i>tenellus</i> | (Brébisson) Hende y 1954 | A | cylinder | 5 | cell: 33-40 | | | | 36 | 36 | | 1 | 36 625 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 1 | cell: 18-22 | | | | 20 | 20 | | 1 | 6 280 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 2 | cell: 22-27 | | | | 23.75 | 25 | | 1 | 11 652 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 3 | cell: 28-32 | | | | 29 | 30 | | 1 | 20 489 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 4 | cell: 33-37 | | | | 33.25 | 35 | | 1 | 31 974 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 5 | cell: 38-42 | | | | 38 | 40 | | 1 | 47 728 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 6 | cell: 43-50 | | | | 42.75 | 45 | | 1 | 67 956 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 7 | cell: 50-60 | | | | 35.75 | 55 | | 1 | 84 893 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 8 | cell: 60-70 | | | | 42.25 | 65 | | 1 | 140 127 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 9 | cell: 70-90 | | | | 52 | 80 | | 1 | 261 248 | 6 |
| <i>Actinocyclus</i> spp. | | A | cylinder | 10 | cell: 90-110 | | | | 65 | 100 | | 1 | 510 250 | 6 |
| <i>Actinoptychus senarius</i> | (Ehrenberg) Ehrenberg 1843 | A | cylinder | | cell: 30-40 | | | | 25 | 35 | | 1 | 24 041 | |
| <i>Attheya decora</i> | T. West 1860 | A | oval cylinder | 1 | cell: 14x18 | | | | 18 | 14 | 4 | 1 | 791 | |
| <i>Attheya decora</i> | T. West 1860 | A | oval cylinder | 2 | cell: 16x20 | | | | 20 | 16 | 4 | 1 | 1 005 | |
| <i>Attheya decora</i> | T. West 1860 | A | oval cylinder | 3 | cell: 20x20 | | | | 20 | 20 | 4 | 1 | 1 256 | |
| <i>Attheya decora</i> | T. West 1860 | A | oval cylinder | 4 | cell: 20x28 | | | | 28 | 20 | 5 | 1 | 2 198 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|--|---|-----------------|------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|---|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Attheya decora</i> | T. West 1860 | A | oval cylinder | 5 | cell: 20x31 | | | | 31 | 20 | 14 | 1 | 6 814 | |
| <i>Attheya longicornis</i> | Crawford & Gardner 1994 | A | oval cylinder | | cell: 7-8x4-5 | | | | 8 | 4 | 4 | 1 | 100 | * |
| <i>Attheya septentrionalis</i> | (Østrup) Crawford in Crawford, Gardner & Medlin 1994 | A | oval cylinder | | cell: 7-8x4-5 | | | | 8 | 4 | 4 | 1 | 100 | |
| <i>Aulacoseira granulata</i> v. <i>granulata</i> | (Ehrenberg) Simonsen 1979 | A | cylinder | 1 | cell: 4x22 | | | | 22.4 | 4 | | 1 | 281 | |
| <i>Aulacoseira granulata</i> v. <i>granulata</i> | (Ehrenberg) Simonsen 1979 | A | cylinder | 2 | cell: 8x28 | | | | 28 | 8 | | 1 | 1 407 | |
| <i>Aulacoseira granulata</i> v. <i>angustissima</i> | (O. Müller) Simonsen 1979 | A | cylinder | 1 | cell: 3.5x25 | | | | 25 | 3.5 | | 1 | 240 | |
| <i>Aulacoseira granulata</i> v. <i>angustissima</i> | (O. Müller) Simonsen 1979 | A | cylinder | 2 | cell: 5x22 | | | | 22.4 | 5 | | 1 | 440 | |
| <i>Aulacoseira granulata</i> v. <i>angustissima</i> | (O. Müller) Simonsen 1979 | A | cylinder | 3 | cell: 5x28 | | | | 28 | 5 | | 1 | 550 | |
| <i>Aulacoseira granulata</i> v. <i>angustissima</i> | (O. Müller) Simonsen 1979 | A | cylinder | 4 | cell: 5x38 | | | | 37.8 | 5 | | 1 | 742 | |
| <i>Aulacoseira islandica</i> ssp. <i>islandica</i> | (Ehrenberg) Simonsen 1979 | A | cylinder | 1 | cell: 6x12 | | | | 12 | 6 | | 1 | 339 | |
| <i>Aulacoseira islandica</i> ssp. <i>islandica</i> | (Ehrenberg) Simonsen 1979 | A | cylinder | 2 | cell: 8x11 | | | | 11.4 | 8.4 | | 1 | 631 | |
| <i>Aulacoseira islandica</i> ssp. <i>islandica</i> | (Ehrenberg) Simonsen 1979 | A | cylinder | 3 | cell: 10x22 | | | | 22.4 | 9.8 | | 1 | 1 689 | |
| <i>Aulacoseira islandica</i> ssp. <i>islandica</i> | (Ehrenberg) Simonsen 1979 | A | cylinder | 4 | cell: 14x22 | | | | 22.4 | 14 | | 1 | 3 446 | |
| <i>Aulacoseira islandica</i> ssp. <i>islandica</i> | (Ehrenberg) Simonsen 1979 | A | cylinder | 5 | cell: 19x22 | | | | 22.4 | 19.6 | | 1 | 6 755 | |
| <i>Aulacoseira islandica</i> ssp. <i>helvetica</i> | (O. Müller) Simonsen 1979 | A | cylinder | 1 | cell: 6x12 | | | | 12 | 6 | | 1 | 339 | |
| <i>Aulacoseira islandica</i> ssp. <i>helvetica</i> | (O. Müller) Simonsen 1979 | A | cylinder | 2 | cell: 7x20 | | | | 19.6 | 7 | | 1 | 754 | |
| <i>Aulacoseira italica</i> | (Ehrenberg) Simonsen 1979 | A | cylinder | 1 | cell: 6x23 | | | | 23.2 | 5.6 | | 1 | 571 | |
| <i>Aulacoseira italica</i> | (Ehrenberg) Simonsen 1979 | A | cylinder | 2 | cell: 11x28 | | | | 28 | 11.2 | | 1 | 2 757 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hendey 1937 | A | cylinder | 1 | cell: 5x45-50 | | | | 47.5 | 5 | | 1 | 932 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hendey 1937 | A | cylinder | 2 | cell: 10x30-40 | | | | 35 | 10 | | 1 | 2 748 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hendey 1937 | A | cylinder | 3 | cell: 10x70-80 | | | | 75 | 10 | | 1 | 5 888 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hendey 1937 | A | cylinder | 4 | cell: 15-17x35-50 | | | | 42.5 | 16 | | 1 | 8 541 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hendey 1937 | A | cylinder | 5 | cell: 15x60-70 | | | | 65 | 15 | | 1 | 11 481 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|--|---------------------------|-----------------|------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 6 | cell: 15-16x100 | | | | 100 | 15.5 | | 1 | 18 860 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 7 | cell: 20x40-60 | | | | 50 | 20 | | 1 | 15 700 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 8 | cell: 20-21x70-80 | | | | 79 | 20.5 | | 1 | 26 062 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 9 | cell: 20x100 | | | | 100 | 20 | | 1 | 31 400 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 10 | cell: 21-22x110-130 | | | | 120 | 21.5 | | 1 | 43 544 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 11 | cell: 26-28x80-90 | | | | 85 | 27 | | 1 | 48 643 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 12 | cell: 30x40-50 | | | | 45 | 30 | | 1 | 31 793 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 13 | cell: 30x60-80 | | | | 70 | 30 | | 1 | 49 455 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 14 | cell: 40x40-50 | | | | 45 | 40 | | 1 | 56 520 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 15 | cell: 40x60-80 | | | | 70 | 40 | | 1 | 87 920 | |
| <i>Cerataulina pelagica</i> | (P.T. Cleve) Hende y 1937 | A | cylinder | 16 | cell: 40x90-100 | | | | 95 | 40 | | 1 | 119 320 | |
| <i>Chaetoceros affinis</i> | Lauder 1864 | A | oval cylinder | 1 | cell: 8x20 | | | | 20 | 8 | 8 | 1 | 1 005 | |
| <i>Chaetoceros affinis</i> | Lauder 1864 | A | oval cylinder | 2 | cell: 12-15x15-18 | | | | 16.5 | 13.5 | 11 | 1 | 1 923 | |
| <i>Chaetoceros affinis</i> | Lauder 1864 | A | oval cylinder | 3 | cell: 15x25 | | | | 25 | 15 | 10 | 1 | 2 944 | |
| <i>Chaetoceros anastomosans v. externa</i> | (Gran) Hustedt 1930 | A | oval cylinder | | cell: 9x16 | | | | 16 | 9 | 6 | 1 | 678 | |
| <i>Chaetoceros borealis</i> | J.W. Bailey 1854 | A | oval cylinder | 1 | cell: 8-12x19 | | | | 19 | 11 | 9 | 1 | 1 534 | HD fac.=0.85 |
| <i>Chaetoceros borealis</i> | J.W. Bailey 1854 | A | oval cylinder | 2 | cell: 13-16x30 | | | | 30 | 15 | 13 | 1 | 4 504 | HD fac.=0.85 |
| <i>Chaetoceros borealis</i> | J.W. Bailey 1854 | A | oval cylinder | 3 | cell: 17-20x26 | | | | 26 | 18 | 15 | 1 | 5 621 | HD fac.=0.85 |
| <i>Chaetoceros borealis</i> | J.W. Bailey 1854 | A | oval cylinder | 4 | cell: 21-24x22 | | | | 22 | 22 | 19 | 1 | 7 105 | HD fac.=0.85 |
| <i>Chaetoceros borealis</i> | J.W. Bailey 1854 | A | oval cylinder | 5 | cell: 25-28x26 | | | | 26 | 26 | 22 | 1 | 11 728 | HD fac.=0.85 |
| <i>Chaetoceros borealis</i> | J.W. Bailey 1854 | A | oval cylinder | 6 | cell: 29-32x30 | | | | 28 | 30 | 26 | 1 | 16 815 | HD fac.=0.85 |
| <i>Chaetoceros brevis</i> | Schütt 1895 | A | oval cylinder | 1 | cell: 18-22x8 | | | | 8 | 22 | 18 | 1 | 2 487 | |
| <i>Chaetoceros brevis</i> | Schütt 1895 | A | oval cylinder | 2 | cell: 18-22x11 | | | | 11 | 22 | 18 | 1 | 3 419 | |
| <i>Chaetoceros brevis</i> | Schütt 1895 | A | oval cylinder | 3 | cell: 18-22x14 | | | | 14 | 22 | 18 | 1 | 4 352 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|-----------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chaetoceros brevis</i> | Schütt 1895 | A | oval cylinder | 4 | cell: 18-22x16 | | | | 16 | 22 | 18 | 1 | 4 974 | |
| <i>Chaetoceros brevis</i> | Schütt 1895 | A | oval cylinder | 5 | cell: 18-22x19 | | | | 19 | 22 | 18 | 1 | 5 906 | |
| <i>Chaetoceros calcitrans</i> | (Paulsen) Takano 1968 | A | oval cylinder | 1 | cell: 3x3 | | | | 3 | 3 | 3 | 1 | 20 | |
| <i>Chaetoceros calcitrans</i> | (Paulsen) Takano 1968 | A | oval cylinder | 2 | cell: 5x8 | | | | 8 | 5 | 5 | 1 | 157 | |
| <i>Chaetoceros calcitrans</i> | (Paulsen) Takano 1968 | A | oval cylinder | 3 | cell: 7x8 | | | | 8 | 7 | 5 | 1 | 220 | |
| <i>Chaetoceros calcitrans</i> | (Paulsen) Takano 1968 | A | oval cylinder | 4 | cell: 9x9 | | | | 9 | 9 | 6 | 1 | 356 | |
| <i>Chaetoceros ceratosporus v. ceratosporus</i> | Ostenfeld 1910 | A | oval cylinder | 1 | cell: 5x3-5 | | | | 4 | 5 | 4 | 1 | 67 | HD fac.=0.85 |
| <i>Chaetoceros ceratosporus v. ceratosporus</i> | Ostenfeld 1910 | A | oval cylinder | 2 | cell: 6-7x9-11 | | | | 10 | 6.5 | 6 | 1 | 282 | HD fac.=0.85 |
| <i>Chaetoceros ceratosporus v. ceratosporus</i> | Ostenfeld 1910 | A | oval cylinder | 3 | cell: 7x13 | | | | 13 | 7 | 6 | 1 | 425 | HD fac.=0.85 |
| <i>Chaetoceros ceratosporus v. ceratosporus</i> | Ostenfeld 1910 | A | oval cylinder | 4 | cell: 11x14 | | | | 14 | 11 | 10 | 1 | 1 185 | HD fac.=0.7 |
| <i>Chaetoceros compressus</i> | Lauder 1864 | A | oval cylinder | 1 | cell: 5x5 | | | | 5 | 5 | 4 | 1 | 83 | HD fac.=0.85 |
| <i>Chaetoceros compressus</i> | Lauder 1864 | A | oval cylinder | 2 | cell: 6-7x11-15 | | | | 13 | 6.5 | 6 | 1 | 366 | HD fac.=0.85 |
| <i>Chaetoceros compressus</i> | Lauder 1864 | A | oval cylinder | 3 | cell: 8x8 | | | | 8 | 8 | 7 | 1 | 342 | HD fac.=0.85 |
| <i>Chaetoceros compressus</i> | Lauder 1864 | A | oval cylinder | 4 | cell: 10x14 | | | | 14 | 10 | 9 | 1 | 934 | HD fac.=0.85 |
| <i>Chaetoceros constrictus</i> | Gran 1897 | A | oval cylinder | 1 | cell: 14-15x15 | | | | 15 | 15 | 14 | 1 | 2 473 | |
| <i>Chaetoceros constrictus</i> | Gran 1897 | A | oval cylinder | 2 | cell: 16x16 | | | | 16 | 16 | 16 | 1 | 3 215 | |
| <i>Chaetoceros constrictus</i> | Gran 1897 | A | oval cylinder | 3 | cell: 14-19x19 | | | | 19 | 19 | 14 | 1 | 3 967 | |
| <i>Chaetoceros constrictus</i> | Gran 1897 | A | oval cylinder | 4 | cell: 15-30x30 | | | | 30 | 30 | 15 | 1 | 10 598 | |
| <i>Chaetoceros contortus</i> | Schütt 1895 | A | oval cylinder | 1 | cell: 7-12x12 | | | | 12 | 12 | 7 | 1 | 791 | |
| <i>Chaetoceros contortus</i> | Schütt 1895 | A | oval cylinder | 2 | cell: 6-9x12 | | | | 12 | 9 | 6 | 1 | 509 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------|-----------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chaetoceros contortus</i> | Schütt 1895 | A | oval cylinder | 3 | cell: 7-14x19 | | | | 19 | 14 | 7 | 1 | 1 462 | |
| <i>Chaetoceros convolutus</i> | Castracane 1886 | A | oval cylinder | 1 | cell: 16x19 | | | | 19 | 16 | 16 | 1 | 3 818 | |
| <i>Chaetoceros convolutus</i> | Castracane 1886 | A | oval cylinder | 2 | cell: 20x41 | | | | 41 | 20 | 20 | 1 | 12 874 | |
| <i>Chaetoceros crinitus</i> | Schütt 1895 | A | oval cylinder | 1 | cell: 8x22 | | | | 22 | 8 | 8 | 1 | 1 105 | |
| <i>Chaetoceros crinitus</i> | Schütt 1895 | A | oval cylinder | 2 | cell: 6x6 | | | | 6 | 6 | 6 | 1 | 170 | |
| <i>Chaetoceros curvisetus</i> | P.T. Cleve 1889 | A | oval cylinder | 1 | cell: 15 | | | | 15 | 15 | 8 | 1 | 1 325 | HD fac.=0.5 |
| <i>Chaetoceros curvisetus</i> | P.T. Cleve 1889 | A | oval cylinder | 2 | cell: 25 | | | | 16 | 25 | 13 | 1 | 3 925 | HD fac.=0.5 |
| <i>Chaetoceros curvisetus</i> | P.T. Cleve 1889 | A | oval cylinder | 3 | cell: 30 | | | | 20 | 30 | 15 | 1 | 7 065 | HD fac.=0.5 |
| <i>Chaetoceros danicus</i> | P.T.Cleve 1889 | A | oval cylinder | 1 | cell: 10x11 | | | | 11.2 | 9.8 | 7 | 1 | 633 | HD fac.=0.75 |
| <i>Chaetoceros danicus</i> | P.T.Cleve 1889 | A | oval cylinder | 2 | cell: 15-16x12-17 | | | | 14.5 | 15.5 | 12 | 1 | 2 051 | HD fac.=0.75 |
| <i>Chaetoceros danicus</i> | P.T.Cleve 1889 | A | oval cylinder | 3 | cell: 17-18x11-13 | | | | 12 | 17.5 | 13 | 1 | 2 164 | HD fac.=0.75 |
| <i>Chaetoceros danicus</i> | P.T.Cleve 1889 | A | oval cylinder | 4 | cell: 17-18x15-16 | | | | 16.5 | 17 | 13 | 1 | 2 807 | HD fac.=0.75 |
| <i>Chaetoceros danicus</i> | P.T.Cleve 1889 | A | oval cylinder | 5 | cell: 17-18x19-23 | | | | 22.4 | 17 | 13 | 1 | 3 811 | HD fac.=0.75 |
| <i>Chaetoceros danicus</i> | P.T.Cleve 1889 | A | oval cylinder | 6 | cell: 20x14-17 | | | | 15.5 | 20 | 15 | 1 | 3 650 | HD fac.=0.75 |
| <i>Chaetoceros danicus</i> | P.T.Cleve 1889 | A | oval cylinder | 7 | cell: 20x22-26 | | | | 24 | 20 | 15 | 1 | 5 652 | HD fac.=0.75 |
| <i>Chaetoceros danicus</i> | P.T.Cleve 1889 | A | oval cylinder | 8 | cell: 22-23x16-17 | | | | 16.5 | 22.5 | 17 | 1 | 4 918 | HD fac.=0.75 |
| <i>Chaetoceros danicus</i> | P.T.Cleve 1889 | A | oval cylinder | 9 | cell: 25x20 | | | | 20 | 25 | 19 | 1 | 7 359 | HD fac.=0.75 |
| <i>Chaetoceros debilis</i> | P.T. Cleve 1894 | A | oval cylinder | 1 | cell: 12.5-15x7 | | | | 7 | 15 | 11 | 1 | 927 | HD fac.=0.75 |
| <i>Chaetoceros debilis</i> | P.T. Cleve 1894 | A | oval cylinder | 2 | cell: 11-17.5x15 | | | | 10 | 17.5 | 13 | 1 | 1 803 | HD fac.=0.75 |
| <i>Chaetoceros debilis</i> | P.T. Cleve 1894 | A | oval cylinder | 3 | cell: 15-20x15 | | | | 15 | 20 | 15 | 1 | 3 533 | HD fac.=0.75 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------------------|-----------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chaetoceros debilis</i> | P.T. Cleve 1894 | A | oval cylinder | 4 | cell: 20x15 | | | | 15 | 20 | 15 | 1 | 3 533 | HD fac.=0.75 |
| <i>Chaetoceros debilis</i> | P.T. Cleve 1894 | A | oval cylinder | 5 | cell: 33x12 | | | | 12 | 33 | 25 | 1 | 7 694 | HD fac.=0.75 |
| <i>Chaetoceros decipiens</i> | P.T. Cleve 1873 | A | oval cylinder | 1 | cell: 10-15x11 | | | | 11 | 15 | 10 | 1 | 1 295 | |
| <i>Chaetoceros decipiens</i> | P.T. Cleve 1873 | A | oval cylinder | 2 | cell: 16x21 | | | | 21 | 16 | 16 | 1 | 4 220 | |
| <i>Chaetoceros decipiens</i> | P.T. Cleve 1873 | A | oval cylinder | 3 | cell: 21-27.5x16 | | | | 16 | 27.5 | 21 | 1 | 7 253 | |
| <i>Chaetoceros decipiens</i> | P.T. Cleve 1873 | A | oval cylinder | 4 | cell: 30x19 | | | | 19 | 30 | 30 | 1 | 13 424 | |
| <i>Chaetoceros decipiens</i> | P.T. Cleve 1873 | A | oval cylinder | 5 | cell: 30-70x22 | | | | 22 | 70 | 30 | 1 | 36 267 | |
| <i>Chaetoceros diadema</i> | (Ehrenberg) Gran 1897 | A | oval cylinder | 1 | cell: 10-20x17 | | | | 17 | 20 | 15 | 1 | 4 004 | HD fac.=0.75 |
| <i>Chaetoceros diadema</i> | (Ehrenberg) Gran 1897 | A | oval cylinder | 2 | cell: 18-20x15 | | | | 15 | 20 | 15 | 1 | 3 533 | HD fac.=0.75 |
| <i>Chaetoceros diadema</i> | (Ehrenberg) Gran 1897 | A | oval cylinder | 3 | cell: 15-20x30 | | | | 30 | 20 | 15 | 1 | 7 065 | HD fac.=0.75 |
| <i>Chaetoceros diadema</i> | (Ehrenberg) Gran 1897 | A | oval cylinder | 4 | cell: 15-20x20 | | | | 20 | 20 | 15 | 1 | 4 710 | HD fac.=0.75 |
| <i>Chaetoceros diadema</i> | (Ehrenberg) Gran 1897 | A | oval cylinder | 5 | cell: 25-34x27 | | | | 27 | 34 | 26 | 1 | 18 376 | HD fac.=0.75 |
| <i>Chaetoceros didymus v. didymus</i> | Ehrenberg 1845 | A | oval cylinder | 1 | cell: 15-25x10-18 | | | | 14 | 20 | 10 | 1 | 2 198 | HD fac.=0.5 |
| <i>Chaetoceros didymus v. didymus</i> | Ehrenberg 1845 | A | oval cylinder | 2 | cell: 25-35x18-25 | | | | 21.5 | 30 | 15 | 1 | 7 595 | HD fac.=0.5 |
| <i>Chaetoceros gracilis</i> | Schütt 1895 | A | oval cylinder | 1 | cell: 5x6 | | | | 6 | 3 | 2 | 1 | 34 | HD fac.=0.8 |
| <i>Chaetoceros gracilis</i> | Schütt 1895 | A | oval cylinder | 2 | cell: 4x5 | | | | 5 | 4 | 3 | 1 | 50 | HD fac.=0.8 |
| <i>Chaetoceros gracilis</i> | Schütt 1895 | A | oval cylinder | 3 | cell: 5x7 | | | | 7.25 | 5 | 4 | 1 | 114 | HD fac.=0.8 |
| <i>Chaetoceros gracilis</i> | Schütt 1895 | A | oval cylinder | 4 | cell: 6x8 | | | | 8 | 6 | 5 | 1 | 181 | HD fac.=0.8 |
| <i>Chaetoceros holsaticus</i> | Schütt 1895 | A | oval cylinder | 1 | cell: 6x8 | | | | 8 | 6 | 5 | 1 | 170 | HD fac.=0.75 |
| <i>Chaetoceros holsaticus</i> | Schütt 1895 | A | oval cylinder | 2 | cell: 7-8x8 | | | | 8 | 7.5 | 6 | 1 | 265 | HD fac.=0.75 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|---|--------|------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chaetoceros holsaticus</i> | Schütt 1895 | A | oval cylinder | 3 | cell: 8-9x8-12 | | | | 10 | 8.5 | 6 | 1 | 425 | HD fac.=0.75 |
| <i>Chaetoceros holsaticus</i> | Schütt 1895 | A | oval cylinder | 4 | cell: 10-12x9-12 | | | | 10.5 | 11 | 8 | 1 | 748 | HD fac.=0.75 |
| <i>Chaetoceros holsaticus</i> | Schütt 1895 | A | oval cylinder | 5 | cell: 13-14x10-12 | | | | 11 | 13.5 | 10 | 1 | 1 180 | HD fac.=0.75 |
| <i>Chaetoceros holsaticus</i> | Schütt 1895 | A | oval cylinder | 6 | cell: 15x10 | | | | 10 | 15 | 11 | 1 | 1 325 | HD fac.=0.75 |
| <i>Chaetoceros impressus</i> | K.G. Jensen & Moestrup 1998 | A | oval cylinder | 1 | cell: 16-18x12-13 | | | | 12.5 | 17 | 13 | 1 | 2 127 | HD fac.=0.75 |
| <i>Chaetoceros impressus</i> | K.G. Jensen & Moestrup 1998 | A | oval cylinder | 2 | cell: 16-18x20-22 | | | | 21 | 16.8 | 13 | 1 | 3 722 | HD fac.=0.8 |
| <i>Chaetoceros impressus</i> | K.G. Jensen & Moestrup 1998 | A | oval cylinder | 3 | cell: 18-20x18-20 | | | | 19 | 18.5 | 15 | 1 | 4 084 | HD fac.=0.8 |
| <i>Chaetoceros impressus</i> | K.G. Jensen & Moestrup 1998 | A | oval cylinder | 4 | cell: 20x23-27m | | | | 25 | 20 | 15 | 1 | 5 888 | HD fac.=0.75 |
| <i>Chaetoceros impressus</i> | K.G. Jensen & Moestrup 1998 | A | oval cylinder | 5 | cell: 25x20 | | | | 20 | 25 | 19 | 1 | 7 359 | HD fac.=0.75 |
| <i>Chaetoceros lacinosus</i> | Schütt 1895 | A | oval cylinder | 1 | cell: 6-8x13-21 | | | | 17 | 7 | 7 | 1 | 654 | |
| <i>Chaetoceros lacinosus</i> | Schütt 1895 | A | oval cylinder | 2 | cell: 9-13x13-21 | | | | 18 | 11 | 10 | 1 | 1 554 | |
| <i>Chaetoceros lacinosus</i> | Schütt 1895 | A | oval cylinder | 3 | cell: 14-18x13-21 | | | | 18 | 15 | 12 | 1 | 2 543 | |
| <i>Chaetoceros lacinosus</i> | Schütt 1895 | A | oval cylinder | 4 | cell: 18-20x16-28 | | | | 21 | 19 | 13 | 1 | 4 072 | |
| <i>Chaetoceros lauderi</i> | Ralfs in Lauder 1864 | A | oval cylinder | 1 | cell: 15-17x28 | | | | 28 | 16 | 9 | 1 | 3 165 | |
| <i>Chaetoceros lauderi</i> | Ralfs in Lauder 1864 | A | oval cylinder | 2 | cell: 17-19x32 | | | | 32 | 18 | 9 | 1 | 4 069 | |
| <i>Chaetoceros lauderi</i> | Ralfs in Lauder 1864 | A | oval cylinder | 3 | cell: 20-22x44 | | | | 44 | 21 | 12 | 1 | 8 704 | |
| <i>Chaetoceros lorenzianus</i> | Grunow 1863 | A | oval cylinder | 1 | cell: 12x34 | | | | 34 | 12 | 9 | 1 | 2 883 | |
| <i>Chaetoceros lorenzianus</i> | Grunow 1863 | A | oval cylinder | 2 | cell: 24x48 | | | | 48 | 24 | 14 | 1 | 12 660 | |
| <i>Chaetoceros lorenzianus</i> | Grunow 1863 | A | oval cylinder | 3 | cell: 30x30 | | | | 30 | 30 | 19 | 1 | 13 424 | |
| <i>Chaetoceros minimus</i> | (Levander) Marino, Giuffré, Montresor & Zingone 1991 | A | cylinder | | cell: 4x22 | | | | 21.5 | 3.8 | | 1 | 244 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|--------------------------|--------|------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chaetoceros muelleri</i> | Lemmermann 1898 | A | oval cylinder | | cell: 7x9 | | | | 9 | 7 | 6 | 1 | 297 | |
| <i>Chaetoceros seiracanthus</i> | Gran 1897 | A | oval cylinder | 1 | cell: 6-8x9-11 | | | | 10 | 7 | 6 | 1 | 330 | |
| <i>Chaetoceros seriacanthus</i> | Gran 1897 | A | oval cylinder | 2 | cell: 12-14x9-11 | | | | 9 | 13 | 9 | 1 | 827 | |
| <i>Chaetoceros seriacanthus</i> | Gran 1897 | A | oval cylinder | 3 | cell: 15-16x9-11 | | | | 10 | 15 | 11 | 1 | 1 295 | |
| <i>Chaetoceros similis</i> | P.T. Cleve 1896 | A | oval cylinder | 1 | cell: 9x10-12 | | | | 11 | 9 | 6 | 1 | 490 | HD fac.=0.7 |
| <i>Chaetoceros similis</i> | P.T. Cleve 1896 | A | oval cylinder | 2 | cell: 9x13-15 | | | | 14 | 9 | 6 | 1 | 623 | HD fac.=0.7 |
| <i>Chaetoceros similis</i> | P.T. Cleve 1896 | A | oval cylinder | 3 | cell: 9x15-17 | | | | 16 | 9 | 6 | 1 | 712 | HD fac.=0.7 |
| <i>Chaetoceros similis</i> | P.T. Cleve 1896 | A | oval cylinder | 5 | cell: 13-15x10-13 | | | | 9.65 | 13.5 | 9 | 1 | 966 | HD fac.=0.7 |
| <i>Chaetoceros similis</i> | P.T. Cleve 1896 | A | oval cylinder | 6 | cell: 15-17x15-20 | | | | 17.5 | 16 | 11 | 1 | 2 462 | HD fac.=0.7 |
| <i>Chaetoceros similis</i> | P.T. Cleve 1896 | A | oval cylinder | 7 | cell: 18-21x15-20 | | | | 18 | 20 | 14 | 1 | 3 956 | HD fac.=0.7 |
| <i>Chaetoceros simplex</i> | Ostenfeld 1901 | A | oval cylinder | 1 | cell: 8-9x8-9 | | | | 8.5 | 8.5 | 7 | 1 | 410 | HD fac.=0.85 |
| <i>Chaetoceros simplex</i> | Ostenfeld 1901 | A | oval cylinder | 2 | cell: 8-9x10-14 | | | | 12 | 8.5 | 7 | 1 | 579 | HD fac.=0.85 |
| <i>Chaetoceros simplex</i> | Ostenfeld 1901 | A | oval cylinder | 3 | cell: 8-9x15-16 | | | | 15.5 | 8.5 | 7 | 1 | 747 | HD fac.=0.85 |
| <i>Chaetoceros simplex</i> | Ostenfeld 1901 | A | oval cylinder | 4 | cell: 8-9x19-20 | | | | 19.5 | 8.5 | 7 | 1 | 940 | HD fac.=0.85 |
| <i>Chaetoceros simplex</i> | Ostenfeld 1901 | A | oval cylinder | 5 | cell: 10-12x10-11 | | | | 10.5 | 11 | 9 | 1 | 848 | HD fac.=0.85 |
| <i>Chaetoceros simplex</i> | Ostenfeld 1901 | A | oval cylinder | 6 | cell: 11-12x11-12 | | | | 11.2 | 11.2 | 10 | 1 | 937 | HD fac.=0.85 |
| <i>Chaetoceros simplex</i> | Ostenfeld 1901 | A | oval cylinder | 7 | cell: 11-13x14 | | | | 14 | 12 | 10 | 1 | 1 345 | HD fac.=0.85 |
| <i>Chaetoceros simplex</i> | Ostenfeld 1901 | A | oval cylinder | 8 | cell: 14-17x16-17 | | | | 16.5 | 15.5 | 13 | 1 | 2 645 | HD fac.=0.85 |
| <i>Chaetoceros socialis</i> f. <i>socialis</i> | Proschkina-Lavrenko 1963 | A | oval cylinder | 1 | cell: 5x5-6 | | | | 5.5 | 5 | 3 | 1 | 54 | HD fac.=0.5 |
| <i>Chaetoceros socialis</i> f. <i>socialis</i> | Proschkina-Lavrenko 1963 | A | oval cylinder | 2 | cell: 8x6-8 | | | | 7 | 8 | 4 | 1 | 176 | HD fac.=0.5 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|-----------------------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chaetoceros socialis</i> f. <i>socialis</i> | Proschkina-Lavrenko 1963 | A | oval cylinder | 3 | cell: 8x9-11 | | | | 10 | 8 | 4 | 1 | 251 | HD fac.=0.5 |
| <i>Chaetoceros socialis</i> f. <i>socialis</i> | Proschkina-Lavrenko 1963 | A | oval cylinder | 4 | cell: 10x8-10 | | | | 8 | 10 | 5 | 1 | 314 | HD fac.=0.5 |
| <i>Chaetoceros socialis</i> f. <i>radians</i> | (Schütt) Proschkina-Lavrenko 1963 | A | oval cylinder | | cell: 5x5 | | | | 5 | 5 | 3 | 1 | 49 | HD fac.=0.5 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 1 | cell: 2.4x4.5 | | | | 4.5 | 2.4 | 2 | 1 | 17 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 2 | cell: 3x8-17 | | | | 12.5 | 3 | 3 | 1 | 75 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 3 | cell: 3x18-22 | | | | 20 | 3 | 3 | 1 | 120 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 4 | cell: 4x8-17 | | | | 12.5 | 4 | 3 | 1 | 133 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 5 | cell: 4x18-25 | | | | 21.5 | 4 | 3 | 1 | 230 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 6 | cell: 5x5 | | | | 5 | 5 | 4 | 1 | 83 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 7 | cell: 5x8-17 | | | | 12.5 | 5 | 4 | 1 | 209 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 8 | cell: 5x18-22 | | | | 20 | 5 | 4 | 1 | 334 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 9 | cell: 6x10-17 | | | | 13.5 | 6 | 5 | 1 | 324 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 10 | cell: 6x17-20 | | | | 18.5 | 6 | 5 | 1 | 444 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 11 | cell: 7-8x10 | | | | 10 | 7.5 | 6 | 1 | 375 | HD fac.=0.85 |
| <i>Chaetoceros subtilis</i> v. <i>subtilis</i> | Cleve 1896 | A | oval cylinder | 12 | cell: 8x12 | | | | 12 | 8 | 7 | 1 | 512 | HD fac.=0.85 |
| <i>Chaetoceros tenuissimus</i> | Meunier 1913 | A | oval cylinder | 1 | cell: 2.5x3 | | | | 3 | 2.5 | 2 | 1 | 13 | HD fac.=0.87 |
| <i>Chaetoceros tenuissimus</i> | Meunier 1913 | A | oval cylinder | 2 | cell: 3x3-5 | | | | 4 | 3 | 3 | 1 | 25 | HD fac.=0.87 |
| <i>Chaetoceros tenuissimus</i> | Meunier 1913 | A | oval cylinder | 3 | cell: 4x5 | | | | 5 | 4 | 3 | 1 | 55 | HD fac.=0.87 |
| <i>Chaetoceros tenuissimus</i> | Meunier 1913 | A | oval cylinder | 4 | cell: 5x5 | | | | 5 | 5 | 4 | 1 | 85 | HD fac.=0.87 |
| <i>Chaetoceros teres</i> | P.T. Cleve 1896 | A | oval cylinder | 1 | cell: 15-20x20-45 | | | | 27.5 | 17.5 | 15 | 1 | 5 619 | HD fac.=0.85 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|-------------------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|--------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chaetoceros teres</i> | P.T. Cleve 1896 | A | oval cylinder | 2 | cell: 20x40-60 | | | | 50 | 20 | 17 | 1 | 13 345 | HD fac.=0.85 |
| <i>Chaetoceros thronsdensei</i> v. <i>thronsdensei</i> | Zingone in Marino et al. 1991 | A | oval cylinder | 1 | cell: 2x8-12 | | | | 10 | 2 | 2 | 1 | 27 | HD fac.=0.87 |
| <i>Chaetoceros thronsdensei</i> v. <i>thronsdensei</i> | Zingone in Marino et al. 1991 | A | oval cylinder | 2 | cell: 3x6-9 | | | | 7.5 | 3 | 3 | 1 | 46 | HD fac.=0.87 |
| <i>Chaetoceros thronsdensei</i> v. <i>thronsdensei</i> | Zingone in Marino et al. 1991 | A | oval cylinder | 3 | cell: 3x10-12 | | | | 11 | 3 | 3 | 1 | 68 | HD fac.=0.87 |
| <i>Chaetoceros thronsdensei</i> v. <i>thronsdensei</i> | Zingone in Marino et al. 1991 | A | oval cylinder | 4 | cell: 3x13-14 | | | | 13.5 | 3 | 3 | 1 | 83 | HD fac.=0.87 |
| <i>Chaetoceros thronsdensei</i> v. <i>thronsdensei</i> | Zingone in Marino et al. 1991 | A | oval cylinder | 5 | cell: 4x10-11 | | | | 10.5 | 4 | 3 | 1 | 115 | HD fac.=0.87 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 1 | cell: 5x5 | | | | 5 | 5 | 4 | 1 | 83 | HD fac.=0.85 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 2 | cell: 6x6 | | | | 6 | 6 | 5 | 1 | 144 | HD fac.=0.85 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 3 | cell: 7x7 | | | | 7 | 7 | 6 | 1 | 229 | HD fac.=0.85 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 4 | cell: 8x8 | | | | 8 | 8 | 7 | 1 | 342 | HD fac.=0.85 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 5 | cell: 9x9 | | | | 9 | 9 | 8 | 1 | 486 | HD fac.=0.85 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 6 | cell: 10x10 | | | | 10 | 10 | 9 | 1 | 667 | HD fac.=0.85 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 7 | cell: 11-12x11-12 | | | | 11.5 | 11.5 | 9 | 1 | 955 | HD fac.=0.8 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 8 | cell: 13-14x13-14 | | | | 13.5 | 13.5 | 11 | 1 | 1 545 | HD fac.=0.8 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 9 | cell: 15-16x15-16 | | | | 15.5 | 15.5 | 12 | 1 | 2 339 | HD fac.=0.8 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 10 | cell: 17-18x17-18 | | | | 17.5 | 17.5 | 14 | 1 | 3 366 | HD fac.=0.8 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 11 | cell: 19-20x19-20 | | | | 19.5 | 19.5 | 16 | 1 | 4 657 | HD fac.=0.8 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 12 | cell: 10-11x6-8 | | | | 7 | 10.5 | 7 | 1 | 424 | HD fac.=0.7 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 13 | cell: 12x5 | | | | 5 | 12 | 8 | 1 | 396 | HD fac.=0.7 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 14 | cell: 13x6-8 | | | | 7 | 13 | 9 | 1 | 650 | HD fac.=0.7 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|---------------------------------|-------------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 15 | cell: 13x8-10 | | | | 9 | 13 | 9 | 1 | 836 | HD fac.=0.7 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 16 | cell: 15-17x8-10 | | | | 8 | 16 | 10 | 1 | 965 | HD fac.=0.6 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 17 | cell: 15-17x11-13 | | | | 12 | 16 | 10 | 1 | 1 447 | HD fac.=0.6 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 18 | cell: 18-20x11-13 | | | | 12 | 19 | 11 | 1 | 2 040 | HD fac.=0.6 |
| <i>Chaetoceros wighamii</i> | Brightwell | A | oval cylinder | 19 | cell: 21-22x14-16 | | | | 15 | 21.5 | 13 | 1 | 3 266 | HD fac.=0.6 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 1 | cell: 3-4x3-4 | | | | 4 | 3 | 3 | 1 | 24 | HD fac.=0.85 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 2 | cell: 5x5 | | | | 5 | 5 | 4 | 1 | 83 | HD fac.=0.85 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 3 | cell: 6x6 | | | | 6 | 6 | 5 | 1 | 144 | HD fac.=0.85 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 4 | cell: 7x7 | | | | 7 | 7 | 6 | 1 | 229 | HD fac.=0.85 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 5 | cell: 8x8 | | | | 8 | 8 | 7 | 1 | 342 | HD fac.=0.85 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 6 | cell: 9x9 | | | | 9 | 9 | 6 | 1 | 401 | HD fac.=0.7 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 7 | cell: 10x10 | | | | 10 | 10 | 7 | 1 | 550 | HD fac.=0.7 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 8 | cell: 3-4x6 | | | | 6 | 3.5 | 2 | 1 | 40 | HD fac.=0.7 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 9 | cell: 5-6x7 | | | | 7 | 5.5 | 4 | 1 | 116 | HD fac.=0.7 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 10 | cell: 6-8x11-13 | | | | 12 | 7 | 5 | 1 | 323 | HD fac.=0.7 |
| <i>Chaetoceros spp.</i> | | A | oval cylinder | 11 | cell: 8x15-17 | | | | 16 | 8 | 6 | 1 | 563 | HD fac.=0.7 |
| <i>Coscinodiscus commutatus</i> | Grunow 1884 | A | cylinder | 1 | cell: 70-90 | | | | 50 | 80 | | 1 | 251 200 | 6 |
| <i>Coscinodiscus commutatus</i> | Grunow 1884 | A | cylinder | 2 | cell: 90-110 | | | | 57 | 100 | | 1 | 447 450 | 6 |
| <i>Coscinodiscus commutatus</i> | Grunow 1884 | A | cylinder | 3 | cell: 110-130 | | | | 58 | 120 | | 1 | 655 632 | 6 |
| <i>Coscinodiscus commutatus</i> | Grunow 1884 | A | cylinder | 4 | cell: 130-150 | | | | 55 | 140 | | 1 | 846 230 | 6 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------------|-------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|-----------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Coscinodiscus commutatus</i> | Grunow 1884 | A | cylinder | 5 | cell: 150-170 | | | | 50 | 160 | | 1 | 1 004 800 | 6 |
| <i>Coscinodiscus concinnus</i> | W. Smith 1856 | A | cylinder | 1 | cell: 130-150 | | | | 70 | 140 | | 1 | 1 077 020 | 6; HD fac.=0.5 |
| <i>Coscinodiscus concinnus</i> | W. Smith 1856 | A | cylinder | 2 | cell: 150-170 | | | | 80 | 160 | | 1 | 1 607 680 | 6; HD fac.=0.5 |
| <i>Coscinodiscus concinnus</i> | W. Smith 1856 | A | cylinder | 3 | cell: 170-230 | | | | 80 | 200 | | 1 | 2 512 000 | 6; HD fac.=0.4 |
| <i>Coscinodiscus concinnus</i> | W. Smith 1856 | A | cylinder | 4 | cell: 230-300 | | | | 79.5 | 265 | | 1 | 4 382 567 | 6; HD fac.=0.3 |
| <i>Coscinodiscus concinnus</i> | W. Smith 1856 | A | cylinder | 5 | cell: 300-370 | | | | 83.8 | 335 | | 1 | 7 378 092 | 6; HD fac.=0.25 |
| <i>Coscinodiscus granii</i> | Gough 1905 | A | cylinder | 1 | cell: 50-70 | | | | 42 | 60 | | 1 | 118 692 | 6; HD fac.=0.7 |
| <i>Coscinodiscus granii</i> | Gough 1905 | A | cylinder | 2 | cell: 70-90 | | | | 56 | 80 | | 1 | 281 344 | 6; HD fac.=0.7 |
| <i>Coscinodiscus granii</i> | Gough 1905 | A | cylinder | 3 | cell: 90-110 | | | | 70 | 100 | | 1 | 549 500 | 6; HD fac.=0.7 |
| <i>Coscinodiscus granii</i> | Gough 1905 | A | cylinder | 4 | cell: 110-130 | | | | 72 | 120 | | 1 | 813 888 | 6; HD fac.=0.6 |
| <i>Coscinodiscus granii</i> | Gough 1905 | A | cylinder | 5 | cell: 130-150 | | | | 70 | 140 | | 1 | 1 077 020 | 6; HD fac.=0.5 |
| <i>Coscinodiscus granii</i> | Gough 1905 | A | cylinder | 6 | cell: 150-170 | | | | 80 | 160 | | 1 | 1 607 680 | 6; HD fac.=0.5 |
| <i>Coscinodiscus granii</i> | Gough 1905 | A | cylinder | 7 | cell: 170-230 | | | | 80 | 200 | | 1 | 2 512 000 | 6; HD fac.=0.4 |
| <i>Coscinodiscus granii</i> | Gough 1905 | A | cylinder | 8 | cell: 230-300 | | | | 79.5 | 265 | | 1 | 4 382 567 | 6; HD fac.=0.3 |
| <i>Coscinodiscus granii</i> | Gough 1905 | A | cylinder | 9 | cell: 300-370 | | | | 83.8 | 335 | | 1 | 7 378 092 | 6; HD fac.=0.25 |
| <i>Coscinodiscus radiatus</i> | Ehrenberg 1841 | A | cylinder | 1 | cell: 30-40 | | | | 20 | 35 | | 1 | 19 233 | 6 |
| <i>Coscinodiscus radiatus</i> | Ehrenberg 1841 | A | cylinder | 2 | cell: 40-50 | | | | 30 | 45 | | 1 | 47 689 | 6 |
| <i>Coscinodiscus radiatus</i> | Ehrenberg 1841 | A | cylinder | 3 | cell: 50-60 | | | | 30 | 55 | | 1 | 71 239 | 6 |
| <i>Coscinodiscus radiatus</i> | Ehrenberg 1841 | A | cylinder | 4 | cell: 60-70 | | | | 35 | 65 | | 1 | 116 082 | 6 |
| <i>Coscinodiscus radiatus</i> | Ehrenberg 1841 | A | cylinder | 5 | cell: 70-90 | | | | 35 | 80 | | 1 | 175 840 | 6 |
| <i>Coscinodiscus radiatus</i> | Ehrenberg 1841 | A | cylinder | 6 | cell: 90-110 | | | | 30 | 100 | | 1 | 235 500 | 6 |
| <i>Coscinodiscus radiatus</i> | Ehrenberg 1841 | A | cylinder | 7 | cell: 110-130 | | | | 30 | 120 | | 1 | 339 120 | 6 |
| <i>Coscinodiscus radiatus</i> | Ehrenberg 1841 | A | cylinder | 8 | cell: 130-150 | | | | 30 | 140 | | 1 | 461 580 | 6 |
| <i>Coscinodiscus radiatus</i> | Ehrenberg 1841 | A | cylinder | 9 | cell: 180 | | | | 20 | 180 | | 1 | 508 680 | 6 |
| <i>Coscinodiscus wailesii</i> | Gran & Angst 1931 | A | cylinder | 1 | cell: 200-220 | | | | 140 | 210 | | 1 | 4 846 590 | 6 |
| <i>Coscinodiscus wailesii</i> | Gran & Angst 1931 | A | cylinder | 2 | cell: 220-240 | | | | 200 | 240 | | 1 | 9 043 200 | 6 |
| <i>Coscinodiscus wailesii</i> | Gran & Angst 1931 | A | cylinder | 3 | cell: 240-260 | | | | 160 | 250 | | 1 | 7 850 000 | 6 |
| <i>Coscinodiscus wailesii</i> | Gran & Angst 1931 | A | cylinder | 4 | cell: 260-280 | | | | 200 | 270 | | 1 | 11 445 300 | 6 |
| <i>Coscinodiscus wailesii</i> | Gran & Angst 1931 | A | cylinder | 5 | cell: 280-300 | | | | 200 | 290 | | 1 | 13 203 700 | 6 |
| <i>Coscinodiscus spp.</i> | | A | cylinder | 1 | cell: 20-30 | | | | 17.5 | 25 | | 1 | 8 586 | 6; HD fac.=0.7 |
| <i>Coscinodiscus spp.</i> | | A | cylinder | 2 | cell: 30-40 | | | | 24.5 | 35 | | 1 | 23 560 | 6; HD fac.=0.7 |
| <i>Coscinodiscus spp.</i> | | A | cylinder | 3 | cell: 40-50 | | | | 31.5 | 45 | | 1 | 50 073 | 6; HD fac.=0.7 |
| <i>Coscinodiscus spp.</i> | | A | cylinder | 4 | cell: 50-60 | | | | 33 | 55 | | 1 | 78 363 | 6; HD fac.=0.6 |
| <i>Coscinodiscus spp.</i> | | A | cylinder | 5 | cell: 60-70 | | | | 39 | 65 | | 1 | 129 348 | 6; HD fac.=0.6 |
| <i>Coscinodiscus spp.</i> | | A | cylinder | 6 | cell: 70-90 | | | | 40 | 80 | | 1 | 200 960 | 6; HD fac.=0.5 |
| <i>Coscinodiscus spp.</i> | | A | cylinder | 7 | cell: 90-110 | | | | 50 | 100 | | 1 | 392 500 | 6; HD fac.=0.5 |
| <i>Coscinodiscus spp.</i> | | A | cylinder | 8 | cell: 110-130 | | | | 60 | 120 | | 1 | 678 240 | 6; HD fac.=0.5 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------------|--|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|-----------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Coscinodiscus</i> spp. | | A cylinder | 9 | cell: 130-150 | | | | 70 | 140 | | 1 | 1 077 020 | 6; HD fac.=0.5 |
| <i>Cyclostephanos dubius</i> | (Fricke in A. Schmidt) Round 1982 | A cylinder | 1 | cell: 12-17 | | | | 10 | 14 | | 1 | 1 539 | 6 |
| <i>Cyclostephanos dubius</i> | (Fricke in A. Schmidt) Round 1982 | A cylinder | 2 | cell: 17-22 | | | | 11.2 | 19 | | 1 | 3 174 | 6 |
| <i>Cyclotella atomus</i> | Hustedt 1937 | A cylinder | 1 | cell: 4 | | | | 2 | 4 | | 1 | 25 | 6 |
| <i>Cyclotella atomus</i> | Hustedt 1937 | A cylinder | 2 | cell: 5 | | | | 2.5 | 5 | | 1 | 49 | 6 |
| <i>Cyclotella atomus</i> | Hustedt 1937 | A cylinder | 3 | cell: 6 | | | | 3 | 6 | | 1 | 85 | 6 |
| <i>Cyclotella atomus</i> | Hustedt 1937 | A cylinder | 4 | cell: 7 | | | | 3.5 | 7 | | 1 | 135 | 6 |
| <i>Cyclotella atomus</i> | Hustedt 1937 | A cylinder | 5 | cell: 8 | | | | 4 | 8 | | 1 | 201 | 6 |
| <i>Cyclotella choctawhatcheeana</i> | Prasad in Prasad, Nienow & Livingston 1990 | A cylinder | 1 | cell: 5 | | | | 3 | 5 | | 1 | 59 | 6 |
| <i>Cyclotella choctawhatcheeana</i> | Prasad in Prasad, Nienow & Livingston 1990 | A cylinder | 2 | cell: 6 | | | | 4 | 6 | | 1 | 113 | 6 |
| <i>Cyclotella choctawhatcheeana</i> | Prasad in Prasad, Nienow & Livingston 1990 | A cylinder | 3 | cell: 8 | | | | 5 | 8 | | 1 | 251 | 6 |
| <i>Cyclotella choctawhatcheeana</i> | Prasad in Prasad, Nienow & Livingston 1990 | A cylinder | 4 | cell: 10 | | | | 6 | 10 | | 1 | 471 | 6 |
| <i>Cyclotella glomerata</i> | Bachmann 1911 | A cylinder | 1 | cell: 4-6 | | | | 3 | 5 | | 1 | 59 | 6 |
| <i>Cyclotella glomerata</i> | Bachmann 1911 | A cylinder | 2 | cell: 6-10 | | | | 5 | 8 | | 1 | 251 | 6 |
| <i>Cyclotella meneghiniana</i> | Kützing 1844 | A cylinder | 1 | cell: 7-12 | | | | 8.4 | 10 | | 1 | 659 | 6 |
| <i>Cyclotella meneghiniana</i> | Kützing 1844 | A cylinder | 2 | cell: 12-18 | | | | 15.4 | 15 | | 1 | 2 720 | 6 |
| <i>Cyclotella meneghiniana</i> | Kützing 1844 | A cylinder | 3 | cell: 18-23 | | | | 16.8 | 20 | | 1 | 5 275 | 6 |
| <i>Cyclotella meneghiniana</i> | Kützing 1844 | A cylinder | 4 | cell: 23-28 | | | | 22.4 | 25 | | 1 | 10 990 | 6 |
| <i>Cyclotella meneghiniana</i> | Kützing 1844 | A cylinder | 5 | cell: 28-33 | | | | 28 | 30 | | 1 | 19 782 | 6 |
| <i>Cyclotella meneghiniana</i> | Kützing 1844 | A cylinder | 6 | cell: 33-38 | | | | 22.4 | 35 | | 1 | 21 540 | 6 |
| <i>Cyclotella radiosa</i> | (Grunow) Lemmermann 1900 | A cylinder | 1 | cell: 12-18 | | | | 10 | 15 | | 1 | 1 766 | 6 |
| <i>Cyclotella radiosa</i> | (Grunow) Lemmermann 1900 | A cylinder | 2 | cell: 18-23 | | | | 11.2 | 20 | | 1 | 3 517 | 6 |
| <i>Cyclotella radiosa</i> | (Grunow) Lemmermann 1900 | A cylinder | 3 | cell: 23-28 | | | | 16.8 | 25 | | 1 | 8 243 | 6 |
| <i>Cyclotella radiosa</i> | (Grunow) Lemmermann 1900 | A cylinder | 4 | cell: 28-33 | | | | 20 | 30 | | 1 | 14 130 | 6 |
| <i>Cyclotella stelligera</i> | P.T. Cleve & Grunow in Van Heurck 1882 | A cylinder | 1 | cell: 10-13 | | | | 7.2 | 11 | | 1 | 684 | 6 |
| <i>Cyclotella stelligera</i> | P.T. Cleve & Grunow in Van Heurck 1882 | A cylinder | 2 | cell: 13-17 | | | | 6 | 15 | | 1 | 1 060 | 6 |
| <i>Cyclotella stelligera</i> | P.T. Cleve & Grunow in Van Heurck 1882 | A cylinder | 3 | cell: 17-23 | | | | 7.2 | 20 | | 1 | 2 261 | 6 |
| <i>Cyclotella</i> spp. | | A cylinder | 1 | cell: 3-7 | | | | 3.3 | 5 | | 1 | 64 | 6; HD fac.=0.65 |
| <i>Cyclotella</i> spp. | | A cylinder | 2 | cell: 7-12 | | | | 6.5 | 10 | | 1 | 510 | 6; HD fac.=0.65 |
| <i>Cyclotella</i> spp. | | A cylinder | 3 | cell: 12-17 | | | | 9.8 | 15 | | 1 | 1 722 | 6; HD fac.=0.65 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|------------------------------------|-------------------------------------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|----------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Cyclotella</i> spp. | | A cylinder | 4 | cell: 17-23 | | | | 10 | 20 | | 1 | 3 140 | 6; HD fac.=0.5 |
| <i>Dactyliosolen fragilissimus</i> | (Bergon) Hasle 1996 | A cylinder | 1 | cell: 4-6x30-40 | | | | 34 | 5 | | 1 | 667 | |
| <i>Dactyliosolen fragilissimus</i> | (Bergon) Hasle 1996 | A cylinder | 2 | cell: 8-10x30-60 | | | | 45 | 9 | | 1 | 2 861 | |
| <i>Dactyliosolen fragilissimus</i> | (Bergon) Hasle 1996 | A cylinder | 3 | cell: 10-12x60-80 | | | | 70 | 11 | | 1 | 6 649 | |
| <i>Dactyliosolen fragilissimus</i> | (Bergon) Hasle 1996 | A cylinder | 4 | cell: 10-12x80-100 | | | | 90 | 11 | | 1 | 8 549 | |
| <i>Dactyliosolen fragilissimus</i> | (Bergon) Hasle 1996 | A cylinder | 5 | cell: 12-14x50-80 | | | | 67 | 12.5 | | 1 | 8 218 | |
| <i>Dactyliosolen fragilissimus</i> | (Bergon) Hasle 1996 | A cylinder | 6 | cell: 19-21x50-70 | | | | 57 | 19.5 | | 1 | 17 014 | |
| <i>Dactyliosolen fragilissimus</i> | (Bergon) Hasle 1996 | A cylinder | 7 | cell: 30-32x150-200 | | | | 175 | 31 | | 1 | 132 017 | |
| <i>Detonula confervacea</i> | (P.T. Cleve) Gran 1900 | A cylinder | 1 | cell: 5-6x13-15 | | | | 14 | 5.5 | | 1 | 332 | |
| <i>Detonula confervacea</i> | (P.T. Cleve) Gran 1900 | A cylinder | 2 | cell: 8-10x12-19 | | | | 15 | 9 | | 1 | 954 | |
| <i>Detonula confervacea</i> | (P.T. Cleve) Gran 1900 | A cylinder | 3 | cell: 15x20 | | | | 20 | 15 | | 1 | 3 533 | |
| <i>Detonula pumila</i> | (Castracane) Schütt 1896 | A cylinder | 1 | cell: 18x22 | | | | 22 | 18 | | 1 | 5 524 | |
| <i>Ditylum brightwellii</i> | (T. West) Grunow in Van Heurck 1883 | A prism on triangle base | 1 | cell: 15x100 | 15 | | 15 | 100 | | | 1 | 11 250 | |
| <i>Ditylum brightwellii</i> | (T. West) Grunow in Van Heurck 1883 | A prism on triangle base | 2 | cell: 20-22x120-130m | 21 | | 21 | 125 | | | 1 | 27 563 | |
| <i>Ditylum brightwellii</i> | (T. West) Grunow in Van Heurck 1883 | A prism on triangle base | 3 | cell: 23-25x200 | 24 | | 24 | 200 | | | 1 | 57 600 | |
| <i>Ditylum brightwellii</i> | (T. West) Grunow in Van Heurck 1883 | A prism on triangle base | 4 | cell: 30x200 | 30 | | 30 | 200 | | | 1 | 90 000 | |
| <i>Eucampia zodiacus</i> | Ehrenberg 1839 | A oval cylinder | 1 | cell: 10x20 | | | | 10 | 20 | 8 | 1 | 1 256 | HD fac.=0.4 |
| <i>Eucampia zodiacus</i> | Ehrenberg 1839 | A oval cylinder | 1 | cell: 15x25 | | | | 15 | 25 | 10 | 1 | 2 944 | HD fac.=0.4 |
| <i>Eucampia zodiacus</i> | Ehrenberg 1839 | A oval cylinder | 1 | cell: 20x25 | | | | 20 | 25 | 10 | 1 | 3 925 | HD fac.=0.4 |
| <i>Guinardia delicatula</i> | (P.T. Cleve) Hasle 1996 | A cylinder | 1 | cell: 10x30 | | | | 30 | 10 | | 1 | 2 355 | |
| <i>Guinardia delicatula</i> | (P.T. Cleve) Hasle 1996 | A cylinder | 2 | cell: 10x50 | | | | 50 | 10 | | 1 | 3 925 | |
| <i>Guinardia delicatula</i> | (P.T. Cleve) Hasle 1996 | A cylinder | 3 | cell: 15x50 | | | | 50 | 15 | | 1 | 8 831 | |
| <i>Guinardia flaccida</i> | (Castracane) H. Peragallo 1892 | A cylinder | 1 | cell: 15x60-80 | | | | 69 | 15 | | 1 | 12 187 | |
| <i>Guinardia flaccida</i> | (Castracane) H. Peragallo 1892 | A cylinder | 2 | cell: 20x60-80 | | | | 70 | 20 | | 1 | 21 980 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|-------------------------------|--|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Guinardia flaccida</i> | (Castracane) H. Peragallo 1892 | A | cylinder | 3 | cell: 25x80-100 | | | | 90 | 25 | | 1 | 44 156 | |
| <i>Guinardia flaccida</i> | (Castracane) H. Peragallo 1892 | A | cylinder | 4 | cell: 30x110-130 | | | | 120 | 30 | | 1 | 84 780 | |
| <i>Guinardia flaccida</i> | (Castracane) H. Peragallo 1892 | A | cylinder | 5 | cell: 35x70-80 | | | | 75 | 35 | | 1 | 72 122 | |
| <i>Guinardia flaccida</i> | (Castracane) H. Peragallo 1892 | A | cylinder | 6 | cell: 35x100-150 | | | | 125 | 35 | | 1 | 120 203 | |
| <i>Guinardia flaccida</i> | (Castracane) H. Peragallo 1892 | A | cylinder | 7 | cell: 35x200-300 | | | | 250 | 35 | | 1 | 240 406 | |
| <i>Guinardia flaccida</i> | (Castracane) H. Peragallo 1892 | A | cylinder | 8 | cell: 40x100-200 | | | | 150 | 40 | | 1 | 188 400 | |
| <i>Guinardia flaccida</i> | (Castracane) H. Peragallo 1892 | A | cylinder | 9 | cell: 50x100-150 | | | | 125 | 50 | | 1 | 245 313 | |
| <i>Lauderia annulata</i> | P.T. Cleve 1873 | A | cylinder | | cell: 33-35x33-35 | | | | 34 | 34 | | 1 | 30 854 | |
| <i>Leptocylindrus danicus</i> | P.T. Cleve 1889 | A | cylinder | 1 | cell: 3x80 | | | | 80 | 3 | | 1 | 565 | |
| <i>Leptocylindrus danicus</i> | P.T. Cleve 1889 | A | cylinder | 2 | cell: 4x40-55 | | | | 48 | 4 | | 1 | 603 | |
| <i>Leptocylindrus danicus</i> | P.T. Cleve 1889 | A | cylinder | 3 | cell: 5x25-30 | | | | 28 | 5 | | 1 | 550 | |
| <i>Leptocylindrus danicus</i> | P.T. Cleve 1889 | A | cylinder | 4 | cell: 5x30-50 | | | | 40 | 5 | | 1 | 785 | |
| <i>Leptocylindrus danicus</i> | P.T. Cleve 1889 | A | cylinder | 5 | cell: 5x50-60 | | | | 55 | 5 | | 1 | 1 079 | |
| <i>Leptocylindrus danicus</i> | P.T. Cleve 1889 | A | cylinder | 6 | cell: 5x70-80 | | | | 78 | 5 | | 1 | 1 531 | |
| <i>Leptocylindrus danicus</i> | P.T. Cleve 1889 | A | cylinder | 7 | cell: 6x25-35 | | | | 31 | 6 | | 1 | 876 | |
| <i>Leptocylindrus danicus</i> | P.T. Cleve 1889 | A | cylinder | 8 | cell: 7-9x35-50 | | | | 42.5 | 8 | | 1 | 2 135 | |
| <i>Leptocylindrus danicus</i> | P.T. Cleve 1889 | A | cylinder | 9 | cell: 9-11x40-60 | | | | 50 | 10 | | 1 | 3 925 | |
| <i>Leptocylindrus minimus</i> | Gran 1915 | A | cylinder | | cell: 3x20-25 | | | | 22 | 3 | | 1 | 155 | |
| <i>Leptocylindrus spp.</i> | | A | cylinder | 1 | cell: 3x100 | | | | 100 | 3 | | 1 | 707 | |
| <i>Leptocylindrus spp.</i> | | A | cylinder | 2 | cell: 10x100 | | | | 100 | 10 | | 1 | 7 850 | |
| <i>Melosira arctica</i> | (Ehrenberg) Dickie ex Ralfs in Pritschard 1861 | A | cylinder | 1 | cell: 8x13 | | | | 13 | 8 | | 1 | 653 | |
| <i>Melosira arctica</i> | (Ehrenberg) Dickie ex Ralfs in Pritschard 1861 | A | cylinder | 2 | cell: 8-10x15-20 | | | | 17.5 | 9 | | 1 | 1 113 | |
| <i>Melosira arctica</i> | (Ehrenberg) Dickie ex Ralfs in Pritschard 1861 | A | cylinder | 3 | cell: 11-13x20-25 | | | | 22 | 12 | | 1 | 2 487 | |
| <i>Melosira arctica</i> | (Ehrenberg) Dickie ex Ralfs in Pritschard 1861 | A | cylinder | 4 | cell: 14x15-20 | | | | 17.5 | 14 | | 1 | 2 693 | |
| <i>Melosira arctica</i> | (Ehrenberg) Dickie ex Ralfs in Pritschard 1861 | A | cylinder | 5 | cell: 14x20-30 | | | | 25 | 14 | | 1 | 3 847 | |
| <i>Melosira arctica</i> | (Ehrenberg) Dickie ex Ralfs in Pritschard 1861 | A | cylinder | 6 | cell: 15x17-25 | | | | 20 | 15 | | 1 | 3 533 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|--|--|-----------------|------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|-----------|----------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Melosira arctica</i> | (Ehrenberg) Dickie ex Ralfs in Pritschard 1861 | A | cylinder | 7 | cell: 17x17-25 | | | | 20 | 17 | | 1 | 4 537 | |
| <i>Melosira arctica</i> | (Ehrenberg) Dickie ex Ralfs in Pritschard 1861 | A | cylinder | 8 | cell: 19x20-30 | | | | 26 | 19 | | 1 | 7 368 | |
| <i>Melosira moniliformis</i> | (O.F. Müller) C.A. Agardh 1824 | A | cylinder | | cell: 18-22x20 | | | | 20 | 20 | | 1 | 6 280 | |
| <i>Melosira nummuloides</i> | C.A. Agardh 1824 | A | cylinder | 1 | cell: 9-11x15-20 | | | | 17.5 | 10 | | 1 | 1 374 | |
| <i>Melosira nummuloides</i> | C.A. Agardh 1824 | A | cylinder | 2 | cell: 12-16x25-30 | | | | 28 | 14 | | 1 | 4 308 | |
| <i>Melosira varians</i> | C.A. Agardh 1827 | A | cylinder | 1 | cell: 10-12x25 | | | | 25 | 11.2 | | 1 | 2 462 | |
| <i>Melosira varians</i> | C.A. Agardh 1827 | A | cylinder | 2 | cell: 13-15x20-25 | | | | 22.4 | 14 | | 1 | 3 446 | |
| <i>Melosira varians</i> | C.A. Agardh 1827 | A | cylinder | 3 | cell: 15-17x25-30 | | | | 28 | 16 | | 1 | 5 627 | |
| <i>Odontella aurita</i> | (Lyngbye) C.A. Agardh 1832 | A | oval cylinder | | cell: 40-50x30-40 | | | | 44 | 35 | 18 | 1 | 21 760 | |
| <i>Odontella mobiliensis</i> | (J.W. Bailey) Grunow 1884 | A | oval cylinder | | cell: 50-70x60-80 | | | | 60 | 70 | 36 | 1 | 118 692 | |
| <i>Odontella sinensis</i> | (Greville) Grunow 1884 | A | oval cylinder | | cell: 120-170x150-200 | | | | 150 | 170 | 50 | 1 | 1 000 875 | |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 1 | cell: 30-35 | | | | 19.8 | 33 | | 1 | 16 926 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 2 | cell: 35-40 | | | | 22.2 | 37 | | 1 | 23 858 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 3 | cell: 40-45 | | | | 25.8 | 43 | | 1 | 37 448 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 4 | cell: 45-50 | | | | 28.2 | 47 | | 1 | 48 901 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 5 | cell: 50-55 | | | | 31.8 | 53 | | 1 | 70 121 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 6 | cell: 55-60 | | | | 34.2 | 57 | | 1 | 87 226 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 7 | cell: 60-65 | | | | 37.8 | 63 | | 1 | 117 772 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 8 | cell: 65-70 | | | | 40.2 | 67 | | 1 | 141 659 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 9 | cell: 70-75 | | | | 43.8 | 73 | | 1 | 183 227 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 10 | cell: 75-80 | | | | 46.2 | 77 | | 1 | 215 027 | 6; HD fac.=0.6 |
| <i>Porosira glacialis</i> | (Grunow) E. Jørgensen 1905 | A | cylinder | 11 | cell: 80-85 | | | | 49.8 | 83 | | 1 | 269 312 | 6; HD fac.=0.6 |
| <i>Proboscia alata</i> | (Brightwell) Sundström 1986 | A | cylinder | 1 | cell: 4x300-400 | | | | 350 | 4 | | 1 | 4 396 | |
| <i>Proboscia alata</i> | (Brightwell) Sundström 1986 | A | cylinder | 2 | cell: 4x450-650 | | | | 550 | 4 | | 1 | 6 908 | |
| <i>Proboscia alata</i> | (Brightwell) Sundström 1986 | A | cylinder | 3 | cell: 5x340-470 | | | | 400 | 5 | | 1 | 7 850 | |
| <i>Proboscia alata</i> | (Brightwell) Sundström 1986 | A | cylinder | 4 | cell: 6x500-600 | | | | 560 | 6 | | 1 | 15 826 | |
| <i>Proboscia alata</i> | (Brightwell) Sundström 1986 | A | cylinder | 5 | cell: 7x250-400 | | | | 325 | 7 | | 1 | 12 501 | |
| <i>Proboscia alata</i> | (Brightwell) Sundström 1986 | A | cylinder | 6 | cell: 9x300-400 | | | | 360 | 9 | | 1 | 22 891 | |
| <i>Proboscia alata</i> | (Brightwell) Sundström 1986 | A | cylinder | 7 | cell: 10x400-500 | | | | 450 | 10 | | 1 | 35 325 | |
| <i>Proboscia alata</i> | (Brightwell) Sundström 1986 | A | cylinder | 8 | cell: 20x1300 | | | | 1300 | 20 | | 1 | 408 200 | |
| <i>Rhizosolenia hebetata</i> f. <i>semispina</i> | (Hensen) Gran 1904 | A | cylinder | 1 | cell: 4x300 | | | | 300 | 4 | | 1 | 3 768 | |
| <i>Rhizosolenia hebetata</i> f. <i>semispina</i> | (Hensen) Gran 1904 | A | cylinder | 2 | cell: 5x500 | | | | 500 | 5 | | 1 | 9 813 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|----------------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Rhizosolenia hebetata</i> f. <i>semispina</i> | (Hensen) Gran 1904 | A | cylinder | 3 | cell: 7x400 | | | | 400 | 7 | | 1 | 15 386 | |
| <i>Rhizosolenia hebetata</i> f. <i>semispina</i> | (Hensen) Gran 1904 | A | cylinder | 4 | cell: 10x400 | | | | 400 | 10 | | 1 | 31 400 | |
| <i>Rhizosolenia hebetata</i> f. <i>semispina</i> | (Hensen) Gran 1904 | A | cylinder | 5 | cell: 10x800 | | | | 800 | 10 | | 1 | 62 800 | |
| <i>Rhizosolenia hebetata</i> f. <i>semispina</i> | (Hensen) Gran 1904 | A | cylinder | 6 | cell: 15x400-500 | | | | 400 | 15 | | 1 | 70 650 | |
| <i>Rhizosolenia hebetata</i> f. <i>semispina</i> | (Hensen) Gran 1904 | A | cylinder | 7 | cell: 15x800 | | | | 800 | 15 | | 1 | 141 300 | |
| <i>Rhizosolenia pungens</i> | Cleve-Euler 1937 | A | cylinder | 1 | cell: 4x200-300 | | | | 250 | 4 | | 1 | 3 140 | |
| <i>Rhizosolenia pungens</i> | Cleve-Euler 1937 | A | cylinder | 2 | cell: 5x300-400 | | | | 385 | 5 | | 1 | 7 556 | |
| <i>Rhizosolenia pungens</i> | Cleve-Euler 1937 | A | cylinder | 3 | cell: 6x375-450 | | | | 350 | 6 | | 1 | 9 891 | |
| <i>Rhizosolenia pungens</i> | Cleve-Euler 1937 | A | cylinder | 4 | cell: 7x375-450 | | | | 400 | 7 | | 1 | 15 386 | |
| <i>Rhizosolenia pungens</i> | Cleve-Euler 1937 | A | cylinder | 5 | cell: 8x650-700 | | | | 690 | 8 | | 1 | 34 666 | |
| <i>Rhizosolenia pungens</i> | Cleve-Euler 1937 | A | cylinder | 6 | cell: 10x400 | | | | 400 | 10 | | 1 | 31 400 | |
| <i>Rhizosolenia pungens</i> | Cleve-Euler 1937 | A | cylinder | 7 | cell: 15x400-550 | | | | 475 | 15 | | 1 | 83 897 | |
| <i>Rhizosolenia pungens</i> | Cleve-Euler 1937 | A | cylinder | 8 | cell: 20x260 | | | | 260 | 20 | | 1 | 81 640 | |
| <i>Rhizosolenia setigera</i> | Brightwell 1858 | A | cylinder | 1 | cell: 4x300-450 | | | | 375 | 4 | | 1 | 4 710 | |
| <i>Rhizosolenia setigera</i> | Brightwell 1858 | A | cylinder | 2 | cell: 7x400 | | | | 400 | 7 | | 1 | 15 386 | |
| <i>Rhizosolenia setigera</i> | Brightwell 1858 | A | cylinder | 3 | cell: 10x400-450 | | | | 425 | 10 | | 1 | 33 363 | |
| <i>Rhizosolenia setigera</i> | Brightwell 1858 | A | cylinder | 4 | cell: 15x400 | | | | 400 | 15 | | 1 | 70 650 | |
| <i>Rhizosolenia setigera</i> | Brightwell 1858 | A | cylinder | 5 | cell: 20x200-300 | | | | 220 | 20 | | 1 | 69 080 | |
| <i>Rhizosolenia setigera</i> | Brightwell 1858 | A | cylinder | 6 | cell: 20x500-600 | | | | 520 | 20 | | 1 | 163 280 | |
| <i>Rhizosolenia setigera</i> | Brightwell 1858 | A | cylinder | 7 | cell: 25x500-650 | | | | 575 | 25 | | 1 | 282 109 | |
| <i>Rhizosolenia setigera</i> | Brightwell 1858 | A | cylinder | 8 | cell: 50x700 | | | | 700 | 50 | | 1 | 1 373 750 | |
| <i>Rhizosolenia styliformis</i> | Brightwell 1858 | A | cylinder | | cell: 60x100 | | | | 100 | 60 | | 1 | 282 600 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 1 | cell: 2x3-5 | | | | 4 | 2 | | 1 | 13 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 2 | cell: 3x3-5 | | | | 4 | 3 | | 1 | 28 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 3 | cell: 3x6-8 | | | | 7 | 3 | | 1 | 49 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 4 | cell: 4x7-8 | | | | 7.5 | 4 | | 1 | 94 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 5 | cell: 5x7-10 | | | | 8.5 | 5 | | 1 | 167 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 6 | cell: 6x7-10 | | | | 8 | 6 | | 1 | 226 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 7 | cell: 7x7-10 | | | | 8.5 | 7 | | 1 | 327 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 8 | cell: 10x5 | | | | 5 | 10 | | 1 | 393 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 9 | cell: 2x14 | | | | 14 | 2 | | 1 | 44 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 10 | cell: 3x9-14 | | | | 11 | 3 | | 1 | 78 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 11 | cell: 3x15-25 | | | | 19 | 3 | | 1 | 134 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|----------------------------------|------------------------------------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 12 | cell: 4x9-14 | | | | 11 | 4 | | 1 | 138 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 13 | cell: 4x15-25 | | | | 21 | 4 | | 1 | 264 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 14 | cell: 5x9-14 | | | | 11 | 5 | | 1 | 216 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 15 | cell: 5x15-25 | | | | 19 | 5 | | 1 | 373 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 16 | cell: 6x9-14 | | | | 11 | 6 | | 1 | 311 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 17 | cell: 6x15-25 | | | | 19 | 6 | | 1 | 537 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 18 | cell: 7x9-14 | | | | 11 | 7 | | 1 | 423 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 19 | cell: 7x15-25 | | | | 19 | 7 | | 1 | 731 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 20 | cell: 8x9-14 | | | | 11 | 8 | | 1 | 553 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 21 | cell: 8x15-25 | | | | 19 | 8 | | 1 | 955 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 22 | cell: 10x9-14 | | | | 11 | 10 | | 1 | 864 | |
| <i>Skeletonema costatum</i> | (Greville) P.T. Cleve 1878 | A | cylinder | 23 | cell: 10x15-25 | | | | 21 | 10 | | 1 | 1 649 | |
| <i>Skeletonema subsalsum</i> | (Cleve-Euler) Bethge 1928 | A | cylinder | 1 | cell: 3-4x7-10 | | | | 9.8 | 3.5 | | 1 | 94 | |
| <i>Skeletonema subsalsum</i> | (Cleve-Euler) Bethge 1928 | A | cylinder | 2 | cell: 3-4x11-15 | | | | 13 | 3.5 | | 1 | 125 | |
| <i>Skeletonema subsalsum</i> | (Cleve-Euler) Bethge 1928 | A | cylinder | 3 | cell: 3-4x16-20 | | | | 19.6 | 3.5 | | 1 | 188 | |
| <i>Skeletonema subsalsum</i> | (Cleve-Euler) Bethge 1928 | A | cylinder | 4 | cell: 4-5x4.5-7.5 | | | | 6 | 4.5 | | 1 | 95 | |
| <i>Skeletonema subsalsum</i> | (Cleve-Euler) Bethge 1928 | A | cylinder | 5 | cell: 5-6x8-13 | | | | 10.5 | 5.5 | | 1 | 249 | |
| <i>Skeletonema subsalsum</i> | (Cleve-Euler) Bethge 1928 | A | cylinder | 6 | cell: 5-6x13-20 | | | | 16.5 | 5.5 | | 1 | 392 | |
| <i>Skeletonema subsalsum</i> | (Cleve-Euler) Bethge 1928 | A | cylinder | 7 | cell: 6-7x18-22 | | | | 19.6 | 6.5 | | 1 | 650 | |
| <i>Skeletonema subsalsum</i> | (Cleve-Euler) Bethge 1928 | A | cylinder | 8 | cell: 8-9x11-15 | | | | 13 | 8.5 | | 1 | 737 | |
| <i>Stephanodiscus binderanus</i> | (Kützing) W. Krieger 1927 | A | cylinder | 1 | cell: 6-7x10-13 | | | | 11.6 | 6.5 | | 1 | 385 | |
| <i>Stephanodiscus binderanus</i> | (Kützing) W. Krieger 1927 | A | cylinder | 2 | cell: 8-9x13-15 | | | | 14 | 8.5 | | 1 | 794 | |
| <i>Stephanodiscus binderanus</i> | (Kützing) W. Krieger 1927 | A | cylinder | 3 | cell: 10-12x15-20 | | | | 17 | 11 | | 1 | 1 615 | |
| <i>Stephanodiscus binderanus</i> | (Kützing) W. Krieger 1927 | A | cylinder | 4 | cell: 13-15x20-30 | | | | 25.2 | 14 | | 1 | 3 877 | |
| <i>Stephanodiscus hantzschii</i> | Grunow in P.T. Cleve & Grunow 1880 | A | cylinder | 1 | cell: 8-9x7-9 | | | | 8 | 8.5 | | 1 | 454 | |
| <i>Stephanodiscus hantzschii</i> | Grunow in P.T. Cleve & Grunow 1880 | A | cylinder | 2 | cell: 10-12x8-10 | | | | 9 | 11.2 | | 1 | 886 | |
| <i>Stephanodiscus hantzschii</i> | Grunow in P.T. Cleve & Grunow 1880 | A | cylinder | 3 | cell: 13-15x9-11 | | | | 10 | 14 | | 1 | 1 539 | |
| <i>Stephanodiscus hantzschii</i> | Grunow in P.T. Cleve & Grunow 1880 | A | cylinder | 4 | cell: 15-16x11-13 | | | | 12 | 15.5 | | 1 | 2 263 | |
| <i>Stephanodiscus hantzschii</i> | Grunow in P.T. Cleve & Grunow 1880 | A | cylinder | 5 | cell: 20-25x13-15 | | | | 14 | 22.5 | | 1 | 5 564 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------------|--|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|-----------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Stephanodiscus minutulus</i> | (Kützing) P.T. Cleve & Möller 1978 | A | cylinder | | cell: 7-9x6-8 | | | | 7 | 8 | | 1 | 352 | |
| <i>Stephanodiscus neoastraea</i> | Håkansson & Hickel 1986 | A | cylinder | 1 | cell: 20-25 | | | | 13.5 | 22.5 | | 1 | 5 365 | 6; HD fac.=0.6 |
| <i>Stephanodiscus neoastraea</i> | Håkansson & Hickel 1986 | A | cylinder | 2 | cell: 25-30 | | | | 16.5 | 27.5 | | 1 | 9 795 | 6; HD fac.=0.6 |
| <i>Stephanodiscus neoastraea</i> | Håkansson & Hickel 1986 | A | cylinder | 3 | cell: 30-35 | | | | 19.5 | 32.5 | | 1 | 16 169 | 6; HD fac.=0.6 |
| <i>Stephanodiscus neoastraea</i> | Håkansson & Hickel 1986 | A | cylinder | 4 | cell: 35-40 | | | | 22.5 | 37.5 | | 1 | 24 838 | 6; HD fac.=0.6 |
| <i>Stephanodiscus neoastraea</i> | Håkansson & Hickel 1986 | A | cylinder | 5 | cell: 35-45 | | | | 25.2 | 42.5 | | 1 | 35 731 | 6; HD fac.=0.6 |
| <i>Stephanodiscus parvus</i> | (Grunow ex Cleve & Möller) Stoermer & Håkansson 1984 | A | cylinder | | cell: 7-9x6-8 | | | | 7 | 8 | | 1 | 352 | |
| <i>Stephanodiscus rotula</i> | (Kützing) Hendey 1964 | A | cylinder | 1 | cell: 20-25 | | | | 13.5 | 22.5 | | 1 | 5 365 | 6; HD fac.=0.6 |
| <i>Stephanodiscus rotula</i> | (Kützing) Hendey 1964 | A | cylinder | 2 | cell: 25-30 | | | | 16.5 | 27.5 | | 1 | 9 795 | 6; HD fac.=0.6 |
| <i>Stephanodiscus rotula</i> | (Kützing) Hendey 1964 | A | cylinder | 3 | cell: 30-35 | | | | 19.5 | 32.5 | | 1 | 16 169 | 6; HD fac.=0.6 |
| <i>Stephanodiscus rotula</i> | (Kützing) Hendey 1964 | A | cylinder | 4 | cell: 35-40 | | | | 22.5 | 37.5 | | 1 | 24 838 | 6; HD fac.=0.6 |
| <i>Stephanodiscus rotula</i> | (Kützing) Hendey 1964 | A | cylinder | 5 | cell: 35-45 | | | | 25.5 | 42.5 | | 1 | 36 157 | 6; HD fac.=0.6 |
| <i>Stephanodiscus spp.</i> | | A | cylinder | 1 | cell: <8 | | | | 3 | 5 | | 1 | 59 | 6; HD fac.=0.6 |
| <i>Stephanodiscus spp.</i> | | A | cylinder | 2 | cell: 8-13 | | | | 6 | 10 | | 1 | 471 | 6; HD fac.=0.6 |
| <i>Stephanodiscus spp.</i> | | A | cylinder | 3 | cell: 13-18 | | | | 9 | 15 | | 1 | 1 590 | 6; HD fac.=0.6 |
| <i>Stephanodiscus spp.</i> | | A | cylinder | 4 | cell: 18-23 | | | | 12 | 20 | | 1 | 3 768 | 6; HD fac.=0.6 |
| <i>Stephanopyxis turris</i> | (Greville & Arnott in Gregory) Ralfs in Pritchard 1861 | A | cylinder | | cell: 28-32 | | | | 40 | 30 | | 1 | 28 260 | 6 |
| <i>Thalassiosira angulata</i> | (Gregory) Hasle 1978 | A | cylinder | 1 | cell: 20-25 | | | | 10.8 | 22.5 | | 1 | 4 292 | 6; HD fac.=0.48 |
| <i>Thalassiosira angulata</i> | (Gregory) Hasle 1978 | A | cylinder | 2 | cell: 25-30 | | | | 13.2 | 27.5 | | 1 | 7 836 | 6; HD fac.=0.48 |
| <i>Thalassiosira angulata</i> | (Gregory) Hasle 1978 | A | cylinder | 3 | cell: 30-35 | | | | 15.6 | 32.5 | | 1 | 12 935 | 6; HD fac.=0.48 |
| <i>Thalassiosira angulata</i> | (Gregory) Hasle 1978 | A | cylinder | 4 | cell: 35-40 | | | | 18 | 37.5 | | 1 | 19 870 | 6; HD fac.=0.48 |
| <i>Thalassiosira angulata</i> | (Gregory) Hasle 1978 | A | cylinder | 5 | cell: 40-45 | | | | 20.4 | 42.5 | | 1 | 28 925 | 6; HD fac.=0.48 |
| <i>Thalassiosira angulata</i> | (Gregory) Hasle 1978 | A | cylinder | 6 | cell: 45-50 | | | | 22.8 | 47.5 | | 1 | 40 382 | 6; HD fac.=0.48 |
| <i>Thalassiosira angulata</i> | (Gregory) Hasle 1978 | A | cylinder | 7 | cell: 50-55 | | | | 25.2 | 52.5 | | 1 | 54 524 | 6; HD fac.=0.48 |
| <i>Thalassiosira angulata</i> | (Gregory) Hasle 1978 | A | cylinder | 8 | cell: 55-60 | | | | 27.6 | 57.5 | | 1 | 71 633 | 6; HD fac.=0.48 |
| <i>Thalassiosira anguste-lineata</i> | (A. Schmidt) G. Fryxell & Hasle 1977 | A | cylinder | 1 | cell: 35-40 | | | | 14.25 | 37.5 | | 1 | 15 731 | 6; HD fac.=0.38 |
| <i>Thalassiosira anguste-lineata</i> | (A. Schmidt) G. Fryxell & Hasle 1977 | A | cylinder | 2 | cell: 40-45 | | | | 16.15 | 42.5 | | 1 | 22 899 | 6; HD fac.=0.38 |
| <i>Thalassiosira anguste-lineata</i> | (A. Schmidt) G. Fryxell & Hasle 1977 | A | cylinder | 3 | cell: 45-50 | | | | 18.05 | 47.5 | | 1 | 31 969 | 6; HD fac.=0.38 |

| | | Trophy | Geometric shape | Size class No | Cell size range, µm | Length, µm | | Width µm | Height µm | Diameter, µm | | Number of cells/ counting unit | Calculated volume, µm ³ | Comment |
|--------------------------------------|--|--------|-----------------|---------------|---------------------|----------------|----------------|----------|-----------|----------------|----------------|-----------------------------------|------------------------------------|-----------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Thalassiosira anguste-lineata</i> | (A. Schmidt) G. Fryxell & Hasle 1977 | A | cylinder | 4 | cell: 50-55 | | | | 19.95 | 52.5 | | 1 | 43 165 | 6; HD fac.=0.38 |
| <i>Thalassiosira anguste-lineata</i> | (A. Schmidt) G. Fryxell & Hasle 1977 | A | cylinder | 5 | cell: 55-60 | | | | 21.85 | 57.5 | | 1 | 56 710 | 6; HD fac.=0.38 |
| <i>Thalassiosira anguste-lineata</i> | (A. Schmidt) G. Fryxell & Hasle 1977 | A | cylinder | 6 | cell: 60-65 | | | | 23.75 | 62.5 | | 1 | 72 827 | 6; HD fac.=0.38 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 1 | cell: 17-22 | | | | 10 | 20 | | 1 | 3 140 | 6; HD fac.=0.5 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 2 | cell: 22-27 | | | | 12.5 | 25 | | 1 | 6 133 | 6; HD fac.=0.5 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 3 | cell: 27-32 | | | | 15 | 30 | | 1 | 10 598 | 6; HD fac.=0.5 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 4 | cell: 32-40 | | | | 17.5 | 35 | | 1 | 16 828 | 6; HD fac.=0.5 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 5 | cell: 40-50 | | | | 22.5 | 45 | | 1 | 35 767 | 6; HD fac.=0.5 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 6 | cell: 50-60 | | | | 27.5 | 55 | | 1 | 65 302 | 6; HD fac.=0.5 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 7 | cell: 60-70 | | | | 19.5 | 65 | | 1 | 64 674 | 6; HD fac.=0.3 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 8 | cell: 70-80 | | | | 22.5 | 75 | | 1 | 99 352 | 6; HD fac.=0.3 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 9 | cell: 80-90 | | | | 25.5 | 85 | | 1 | 144 626 | 6; HD fac.=0.3 |
| <i>Thalassiosira baltica</i> | (Grunow in P.T. Cleve & Grunow) Ostenfeld 1901 | A | cylinder | 10 | cell: 90-110 | | | | 30 | 100 | | 1 | 235 500 | 6; HD fac.=0.3 |
| <i>Thalassiosira decipiens</i> | (Grunow) E. Jørgensen 1905 sensu Hasle 1979 | A | cylinder | 1 | cell: 17-22 | | | | 15 | 20 | | 1 | 4 710 | 6 |
| <i>Thalassiosira decipiens</i> | (Grunow) E. Jørgensen 1905 sensu Hasle 1979 | A | cylinder | 2 | cell: 22-27 | | | | 10 | 25 | | 1 | 4 906 | 6 |
| <i>Thalassiosira decipiens</i> | (Grunow) E. Jørgensen 1905 sensu Hasle 1979 | A | cylinder | 3 | cell: 40-50 | | | | 30 | 45 | | 1 | 47 689 | 6 |
| <i>Thalassiosira eccentrica</i> | (Ehrenberg) P.T. Cleve 1903 | A | cylinder | 1 | cell: 30 | | | | 24 | 30 | | 1 | 16 956 | 6 |
| <i>Thalassiosira eccentrica</i> | (Ehrenberg) P.T. Cleve 1903 | A | cylinder | 2 | cell: 135 | | | | 25 | 135 | | 1 | 357 666 | 6 |
| <i>Thalassiosira gravida</i> | P.T. Cleve 1896 | A | cylinder | 1 | cell: 32-37 | | | | 15 | 35 | | 1 | 14 424 | 6 |
| <i>Thalassiosira gravida</i> | P.T. Cleve 1896 | A | cylinder | 2 | cell: 37-42 | | | | 15 | 40 | | 1 | 18 840 | 6 |
| <i>Thalassiosira guillardii</i> | Hasle 1978 | A | cylinder | | cell: 10-15 | | | | 8 | 12.5 | | 1 | 981 | 6 |
| <i>Thalassiosira hyalina</i> | (Grunow in Cleve & Grunow) Gran 1897 | A | cylinder | | cell: 30-35 | | | | 19.5 | 32.5 | | 1 | 16 169 | 6 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|--|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|------------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Thalassiosira hyperborea</i> v. <i>pelagica</i> | (Cleve-Euler) Hasle 1989 | A | cylinder | | cell: 30-35 | | | | 13 | 32.5 | | 1 | 10 779 | 6 |
| <i>Thalassiosira lacustris</i> | (Grunow in Cleve & Grunow 1880) Hasle in Hasle & G. Fryxell 1977 | A | cylinder | 1 | cell: 25-30 | | | | 11 | 27.5 | | 1 | 6 530 | 6; HD fac.=0.4 |
| <i>Thalassiosira lacustris</i> | (Grunow in Cleve & Grunow 1880) Hasle in Hasle & G. Fryxell 1977 | A | cylinder | 2 | cell: 30-35 | | | | 13 | 32.5 | | 1 | 10 779 | 6; HD fac.=0.4 |
| <i>Thalassiosira lacustris</i> | (Grunow in Cleve & Grunow 1880) Hasle in Hasle & G. Fryxell 1977 | A | cylinder | 3 | cell: 35-40 | | | | 22.5 | 37.5 | | 1 | 24 838 | 6; HD fac.=0.6 |
| <i>Thalassiosira lacustris</i> | (Grunow in Cleve & Grunow 1880) Hasle in Hasle & G. Fryxell 1977 | A | cylinder | 4 | cell: 80-90 | | | | 25 | 85 | | 1 | 141 791 | 6 |
| <i>Thalassiosira levanderi</i> | van Goor 1924 | A | cylinder | 1 | cell: 7-9 | | | | 4.8 | 8 | | 1 | 241 | 6; HD fac.= 0.6 |
| <i>Thalassiosira levanderi</i> | van Goor 1924 | A | cylinder | 2 | cell: 9-11 | | | | 6 | 10 | | 1 | 471 | 6; HD fac.= 0.6 |
| <i>Thalassiosira levanderi</i> | van Goor 1924 | A | cylinder | 3 | cell: 11-13 | | | | 7.2 | 12 | | 1 | 814 | 6; HD fac.= 0.6 |
| <i>Thalassiosira levanderi</i> | van Goor 1924 | A | cylinder | 4 | cell: 13-15 | | | | 8.4 | 14 | | 1 | 1 292 | 6; HD fac.= 0.6 |
| <i>Thalassiosira levanderi</i> | van Goor 1924 | A | cylinder | 5 | cell: 15-17 | | | | 9.6 | 16 | | 1 | 1 929 | 6; HD fac.= 0.6 |
| <i>Thalassiosira nordenskioldii</i> | P.T. Cleve 1873 | A | cylinder | 1 | cell: 10-15 | | | | 11 | 12.5 | | 1 | 1 349 | 6 |
| <i>Thalassiosira nordenskioldii</i> | P.T. Cleve 1873 | A | cylinder | 2 | cell: 15-20 | | | | 12 | 17.5 | | 1 | 2 885 | 6 |
| <i>Thalassiosira nordenskioldii</i> | P.T. Cleve 1873 | A | cylinder | 3 | cell: 20-25 | | | | 13 | 22.5 | | 1 | 5 166 | 6 |
| <i>Thalassiosira nordenskioldii</i> | P.T. Cleve 1873 | A | cylinder | 4 | cell: 25-30 | | | | 14 | 27.5 | | 1 | 8 311 | 6 |
| <i>Thalassiosira nordenskioldii</i> | P.T. Cleve 1873 | A | cylinder | 5 | cell: 30-35 | | | | 17 | 32.5 | | 1 | 14 096 | 6 |
| <i>Thalassiosira nordenskioldii</i> | P.T. Cleve 1873 | A | cylinder | 6 | cell: 35-40 | | | | 18 | 37.5 | | 1 | 19 870 | 6 |
| <i>Thalassiosira proschkinae</i> | Makarova in Makarova, Genkal & Kuzmin 1979 | A | cylinder | | cell: 5-6 | | | | 2.7 | 5.4 | | 1 | 62 | 6 |
| <i>Thalassiosira pseudonana</i> | (Hustedt) Hasle & Heimdal 1970 | A | cylinder | 1 | cell: 4-6 | | | | 3.25 | 5 | | 1 | 64 | 6; HD fac.=0.65 |
| <i>Thalassiosira pseudonana</i> | (Hustedt) Hasle & Heimdal 1970 | A | cylinder | 2 | cell: 6-8 | | | | 4.55 | 7 | | 1 | 175 | 6; HD fac.=0.65 |
| <i>Thalassiosira punctigera</i> | (Castracane) Hasle 1983 | A | cylinder | 1 | cell: 40-50 | | | | 22.5 | 45 | | 1 | 35 767 | * 6; HD fac.=0.5 |
| <i>Thalassiosira punctigera</i> | (Castracane) Hasle 1983 | A | cylinder | 2 | cell: 50-60 | | | | 27.5 | 55 | | 1 | 65 302 | * 6; HD fac.=0.5 |
| <i>Thalassiosira punctigera</i> | (Castracane) Hasle 1983 | A | cylinder | 3 | cell: 60-70 | | | | 32.5 | 65 | | 1 | 107 790 | * 6; HD fac.=0.5 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|---|--|-----------------|----------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|-----------------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Thalassiosira rotula</i> | Meunier 1910 | A | cylinder | | cell: 40 | | | | 12 | 40 | | 1 | 15 072 | 6 |
| <i>Thalassiosira weissflogii</i> | (Grunow in Van Heurck) G. Fryxell & Hasle 1977 | A | cylinder | 1 | cell: 12-15 | | | | 10 | 13 | | 1 | 1 327 | 6 |
| <i>Thalassiosira weissflogii</i> | (Grunow in Van Heurck) G. Fryxell & Hasle 1977 | A | cylinder | 2 | cell: 15-18 | | | | 14 | 16 | | 1 | 2 813 | 6 |
| <i>Thalassiosira weissflogii</i> | (Grunow in Van Heurck) G. Fryxell & Hasle 1977 | A | cylinder | 2 | cell: 18-22 | | | | 15 | 20 | | 1 | 4 710 | 6 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 1 | cell: 3-7 | | | | 3.3 | 5 | | 1 | 64 | 6; HD fac.=0.65 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 2 | cell: 7-12 | | | | 6.5 | 10 | | 1 | 510 | 6; HD fac.=0.65 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 3 | cell: 12-17 | | | | 9.8 | 15 | | 1 | 1 722 | 6; HD fac.=0.65 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 4 | cell: 17-22 | | | | 10 | 20 | | 1 | 3 140 | 6; HD fac.=0.5 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 5 | cell: 22-27 | | | | 12.5 | 25 | | 1 | 6 133 | 6; HD fac.=0.5 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 6 | cell: 27-32 | | | | 15 | 30 | | 1 | 10 598 | 6; HD fac.=0.5 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 7 | cell: 32-40 | | | | 17.5 | 35 | | 1 | 16 828 | 6; HD fac.=0.5 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 8 | cell: 40-50 | | | | 22.5 | 45 | | 1 | 35 767 | 6; HD fac.=0.5 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 9 | cell: 50-60 | | | | 27.5 | 55 | | 1 | 65 302 | 6; HD fac.=0.5 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 10 | cell: 60-70 | | | | 19.5 | 65 | | 1 | 64 674 | 6; HD fac.=0.3 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 11 | cell: 70-90 | | | | 24 | 80 | | 1 | 120 576 | 6; HD fac.=0.3 |
| <i>Thalassiosira spp.</i> | | A | cylinder | 12 | cell: 90-110 | | | | 30 | 100 | | 1 | 235 500 | 6; HD fac.=0.3 |
| <i>Centrales, unidentified</i> | | A | cylinder | 1 | cell: 3-7 | | | | 3.3 | 5 | | 1 | 64 | 6; HD fac.=0.65 |
| <i>Centrales, unidentified</i> | | A | cylinder | 2 | cell: 7-12 | | | | 6.5 | 10 | | 1 | 510 | 6; HD fac.=0.65 |
| <i>Centrales, unidentified</i> | | A | cylinder | 3 | cell: 12-17 | | | | 9.8 | 15 | | 1 | 1 722 | 6; HD fac.=0.65 |
| <i>Centrales, unidentified</i> | | A | cylinder | 4 | cell: 17-22 | | | | 10 | 20 | | 1 | 3 140 | 6; HD fac.=0.5 |
| <i>Centrales, unidentified</i> | | A | cylinder | 5 | cell: 22-27 | | | | 12.5 | 25 | | 1 | 6 133 | 6; HD fac.=0.5 |
| <i>Centrales, unidentified</i> | | A | cylinder | 6 | cell: 27-32 | | | | 15 | 30 | | 1 | 10 598 | 6; HD fac.=0.5 |
| <i>Centrales, unidentified</i> | | A | cylinder | 7 | cell: 32-40 | | | | 17.5 | 35 | | 1 | 16 828 | 6; HD fac.=0.5 |
| <i>Centrales, unidentified</i> | | A | cylinder | 8 | cell: 40-50 | | | | 22.5 | 45 | | 1 | 35 767 | 6; HD fac.=0.5 |
| <i>Centrales, unidentified</i> | | A | cylinder | 9 | cell: 50-60 | | | | 27.5 | 55 | | 1 | 65 302 | 6; HD fac.=0.5 |
| <i>Centrales, unidentified</i> | | A | cylinder | 10 | cell: 60-70 | | | | 19.5 | 65 | | 1 | 64 674 | 6; HD fac.=0.3 |
| <i>Centrales, unidentified</i> | | A | cylinder | 11 | cell: 70-90 | | | | 24 | 80 | | 1 | 120 576 | 6; HD fac.=0.3 |
| <i>Centrales, unidentified</i> | | A | cylinder | 12 | cell: 90-110 | | | | 30 | 100 | | 1 | 235 500 | 6; HD fac.=0.3 |
| Order BACILLARIALES (PENNALES) | | | | | | | | | | | | | | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 1 | cell: 15-20x3 | 16 | | 4 | 3 | | | 1 | 192 | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 2 | cell: 15-20x4 | 17 | | 5 | 4 | | | 1 | 340 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|-------------------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|-------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 3 | cell: 25-30x4 | 27 | | 5 | 4 | | | 1 | 540 | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 4 | cell: 12-15x5 | 14 | | 6 | 5 | | | 1 | 420 | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 5 | cell: 15-20x5 | 17 | | 6 | 5 | | | 1 | 510 | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 6 | cell: 20-25x5 | 23 | | 6 | 5 | | | 1 | 690 | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 7 | cell: 15-20x6 | 17.5 | | 7 | 6 | | | 1 | 735 | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 8 | cell: 20-25x6 | 22 | | 7 | 6 | | | 1 | 924 | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 9 | cell: 25-30x7 | 27 | | 8 | 7 | | | 1 | 1 512 | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 10 | cell: 15-20x8 | 17 | | 9 | 8 | | | 1 | 1 224 | |
| <i>Achnanthes taeniata</i> | Grunow in Cleve & Grunow 1880 | A | parallelepiped | 11 | cell: 25x10 | 25 | | 11 | 10 | | | 1 | 2 750 | |
| <i>Achnanthes spp.</i> | | A | parallelepiped | 1 | cell: 10x2-3 | 10 | | 5 | 3 | | | 1 | 150 | HD fac.=0.6 |
| <i>Achnanthes spp.</i> | | A | parallelepiped | 2 | cell: 12-17x2.5-3.5 | 15 | | 5 | 3 | | | 1 | 225 | HD fac.=0.6 |
| <i>Achnanthes spp.</i> | | A | parallelepiped | 3 | cell: 17-22x3.5-4.5 | 20 | | 6 | 4.2 | | | 1 | 504 | HD fac.=0.7 |
| <i>Achnanthes spp.</i> | | A | parallelepiped | 4 | cell: 25-35x4.5-6.5 | 30 | | 7 | 4.9 | | | 1 | 1 029 | HD fac.=0.7 |
| <i>Amphiprora paludosa v. paludosa</i> | W. Smith 1853 | A | oval cylinder | 1 | cell: 28-36 | | | | 12 | 32 | 14 | 1 | 4 220 | 8 |
| <i>Amphiprora paludosa v. paludosa</i> | W. Smith 1853 | A | oval cylinder | 2 | cell: 55-60 | | | | 20 | 58 | 31 | 1 | 28 046 | 8 |
| <i>Amphora coffeaeformis</i> | (C.A. Agardh) Kützing 1844 | A | oval cylinder | | cell: 25-35 | | | | 10 | 30 | 12 | 1 | 2 826 | 8 |
| <i>Amphora commutata</i> | Grunow in Van Heurck 1880 | A | oval cylinder | | cell: 45-50 | | | | 19.6 | 47.6 | 20 | 1 | 14 355 | 8 |
| <i>Amphora ovalis</i> | (Kützing) Kützing 1844 | A | oval cylinder | | cell: 55-65 | | | | 10 | 60 | 40 | 1 | 18 840 | 8 |
| <i>Amphora spp.</i> | | A | oval cylinder | 1 | cell: 18-22 | | | | 8.4 | 19.6 | 8 | 1 | 1 086 | 8 |
| <i>Amphora spp.</i> | | A | oval cylinder | 2 | cell: 25-30 | | | | 10 | 28 | 20 | 1 | 4 396 | 8 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|-----------------------------------|--|-----------------|--------------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|-----------|---|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Amphora</i> spp. | A | oval cylinder | 3 | cell: 33-37 | | | | 14 | 35 | 18 | 1 | 6 924 | 8 | |
| <i>Amphora</i> spp. | A | oval cylinder | 4 | cell: 45-50 | | | | 25.2 | 47.5 | 32 | 1 | 30 069 | 8 | |
| <i>Asterionella formosa</i> | Hassall 1850 | A | parallelepiped | 1 | cell: 3-4x40-60 | 50 | | 3.5 | 3.5 | | 1 | 613 | | |
| <i>Asterionella formosa</i> | Hassall 1850 | A | parallelepiped | 2 | cell: 3-4x60-80 | 70 | | 3.5 | 3.5 | | 1 | 858 | | |
| <i>Asterionella formosa</i> | Hassall 1850 | A | parallelepiped | 3 | cell: 3-4x80-100 | 90 | | 3.5 | 3.5 | | 1 | 1 103 | | |
| <i>Asterionellopsis glacialis</i> | (Castracane) Round <i>in</i> Round, Crawford & D.G. Mann 1990 | A | cone + half sphere - 40% | 1 | cell: 8x70 | | | | 70 | 8 | 1 | 744 | | |
| <i>Asterionellopsis glacialis</i> | (Castracane) Round <i>in</i> Round, Crawford & D.G. Mann 1990 | A | cone + half sphere - 40% | 1 | cell: 10x90 | | | | 90 | 10 | 1 | 1 492 | | |
| <i>Asterionellopsis glacialis</i> | (Castracane) Round <i>in</i> Round, Crawford & D.G. Mann 1990 | A | cone + half sphere - 40% | 1 | cell: 12x100 | | | | 100 | 12 | 1 | 2 396 | | |
| <i>Asterionellopsis kariana</i> | (Grunow <i>in</i> Cleve & Grunow) Round <i>in</i> Round, Crawford & D.G. Mann 1990 | A | parallelepiped | 1 | cell: 4x20-30 | 25 | | 4 | 4 | | 1 | 400 | | |
| <i>Asterionellopsis kariana</i> | (Grunow <i>in</i> Cleve & Grunow) Round <i>in</i> Round, Crawford & D.G. Mann 1990 | A | parallelepiped | 2 | cell: 4x30-40 | 35 | | 4 | 4 | | 1 | 560 | | |
| <i>Asterionellopsis kariana</i> | (Grunow <i>in</i> Cleve & Grunow) Round <i>in</i> Round, Crawford & D.G. Mann 1990 | A | parallelepiped | 3 | cell: 4x40-50 | 45 | | 4 | 4 | | 1 | 720 | | |
| <i>Caloneis silicula</i> | (Ehrenberg) P.T. Cleve 1894 | A | oval cylinder | | cell: 40-60 | | | | 10 | 48 | 16 | 1 | 6 029 | 8 |
| <i>Caloneis subsalina</i> | (Donkin) Hendey 1951 | A | oval cylinder | 1 | cell: 40-60 | | | | 12 | 47.6 | 25 | 1 | 11 299 | 8 |
| <i>Caloneis subsalina</i> | (Donkin) Hendey 1951 | A | oval cylinder | 2 | cell: 60-80 | | | | 14 | 70 | 28 | 1 | 21 540 | 8 |
| <i>Campylodiscus clypeus</i> | Ehrenberg 1840 | A | oval cylinder | | cell: 150-200 | | | | 60 | 180 | 160 | 1 | 1 356 480 | 8 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|---|--------|----------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Cocconeis pediculus</i> | Ehrenberg 1838 | A | oval cylinder | | cell: 30-35 | | | | 8.4 | 33.6 | 25 | 1 | 5 583 | 8 |
| <i>Cocconeis placentula</i> v. <i>placentula</i> | Ehrenberg 1838 | A | oval cylinder | 1 | cell: 23-27 | | | | 7 | 25 | 20 | 1 | 2 693 | 8 |
| <i>Cocconeis placentula</i> v. <i>placentula</i> | Ehrenberg 1838 | A | oval cylinder | 2 | cell: 27-33 | | | | 7 | 30 | 22 | 1 | 3 693 | 8 |
| <i>Cocconeis placentula</i> v. <i>placentula</i> | Ehrenberg 1838 | A | oval cylinder | 3 | cell: 33-37 | | | | 8 | 35 | 28 | 1 | 6 154 | 8 |
| <i>Cocconeis placentula</i> v. <i>placentula</i> | Ehrenberg 1838 | A | oval cylinder | 4 | cell: 38-43 | | | | 8.4 | 41 | 31 | 1 | 8 327 | 8 |
| <i>Cocconeis placentula</i> v. <i>placentula</i> | Ehrenberg 1838 | A | oval cylinder | 5 | cell: 43-47 | | | | 8.4 | 45 | 31 | 1 | 9 199 | 8 |
| <i>Cocconeis scutellum</i> v. <i>scutellum</i> | Ehrenberg 1838 | A | oval cylinder | | cell: 20 | | | | 2 | 20 | 20 | 1 | 628 | 8 |
| <i>Cylindrotheca closterium</i> | (Ehrenberg) Reimann & J. Lewin 1958 | A | rotational ellipsoid | 1 | cell: <3x20-25 | | | | 22 | 2.8 | | 1 | 90 | 9 |
| <i>Cylindrotheca closterium</i> | (Ehrenberg) Reimann & J. Lewin 1958 | A | rotational ellipsoid | 2 | cell: 3-4x25-28 | | | | 26.5 | 3.6 | | 1 | 180 | 9 |
| <i>Cylindrotheca closterium</i> | (Ehrenberg) Reimann & J. Lewin 1958 | A | rotational ellipsoid | 3 | cell: 4-5x30-35 | | | | 33 | 4.5 | | 1 | 350 | 9 |
| <i>Cylindrotheca closterium</i> | (Ehrenberg) Reimann & J. Lewin 1958 | A | rotational ellipsoid | 4 | cell: 5-6x22-28 | | | | 25 | 5.5 | | 1 | 396 | 9 |
| <i>Cymatopleura elliptica</i> | (Brebisson ex Kützing) W. Smith 1851 | A | oval cylinder | 1 | cell: 70-90 | | | | 25 | 79 | 52 | 1 | 80 620 | 8 |
| <i>Cymatopleura elliptica</i> | (Brebisson ex Kützing) W. Smith 1851 | A | oval cylinder | 2 | cell: 90-110 | | | | 28 | 98 | 64 | 1 | 137 859 | 8 |
| <i>Cymatopleura elliptica</i> | (Brebisson ex Kützing) W. Smith 1851 | A | oval cylinder | 3 | cell: 110-130 | | | | 30 | 120 | 76 | 1 | 214 776 | 8 |
| <i>Cymatopleura solea</i> | (Brébisson) W. Smith 1851 | A | oval cylinder | 1 | cell: 80-110x18-20 | | | | 14 | 90 | 19 | 1 | 18 793 | 8 |
| <i>Cymatopleura solea</i> | (Brébisson) W. Smith 1851 | A | oval cylinder | 2 | cell: 110-140x32-35 | | | | 26.6 | 130 | 34 | 1 | 90 937 | 8 |
| <i>Cymbella cistula</i> | (Ehrenberg) Kirchner 1878 | A | half parallelepi ped | | cell: 60-70 | 65 | | 22 | 20 | | | 1 | 14 300 | 8 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|--------------------------------------|--------|---------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Cymbella lanceolata</i> | (Ehrenberg) Kirchner 1878 | A | half parallelepiped | | cell: 100-150 | 128 | | 27 | 27 | | | 1 | 46 656 | 8 |
| <i>Cymbella obtusiuscula</i> | Kützing 1844 | A | half parallelepiped | | cell: 20-30 | 25 | | 11 | 11 | | | 1 | 1 513 | 8 |
| <i>Cymbella spp.</i> | | A | half parallelepiped | 1 | cell: 20x5 | 20 | | 5 | 5 | | | 1 | 250 | |
| <i>Cymbella spp.</i> | | A | half parallelepiped | 2 | cell: 120x25 | 120 | | 25 | 25 | | | 1 | 37 500 | |
| <i>Diatoma constricta</i> | (Grunow in Van Heurck) Williams 1985 | A | parallelepiped | | cell: 55-60 | 57 | | 10 | 10 | | | 1 | 5 700 | 8 |
| <i>Diatoma tenuis</i> | C.A. Agardh 1812 | A | parallelepiped | 1 | cell: 3x30-50 | 40 | | 3 | 3 | | | 1 | 360 | |
| <i>Diatoma tenuis</i> | C.A. Agardh 1812 | A | parallelepiped | 2 | cell: 3x50-70 | 60 | | 3 | 3 | | | 1 | 540 | |
| <i>Diatoma tenuis</i> | C.A. Agardh 1812 | A | parallelepiped | 3 | cell: 3x70-90 | 80 | | 3 | 3 | | | 1 | 720 | |
| <i>Diatoma tenuis</i> | C.A. Agardh 1812 | A | parallelepiped | 4 | cell: 4x30-50 | 40 | | 4 | 4 | | | 1 | 640 | |
| <i>Diatoma tenuis</i> | C.A. Agardh 1812 | A | parallelepiped | 5 | cell: 4x50-70 | 60 | | 4 | 4 | | | 1 | 960 | |
| <i>Diatoma tenuis</i> | C.A. Agardh 1812 | A | parallelepiped | 6 | cell: 4x70-90 | 80 | | 4 | 4 | | | 1 | 1 280 | |
| <i>Diatoma vulgaris v. vulgaris</i> | Bory 1824 | A | parallelepiped | 1 | cell: 25-35x10 | 30 | | 10 | 5.7 | | | 1 | 1 710 | |
| <i>Diatoma vulgaris v. vulgaris</i> | Bory 1824 | A | parallelepiped | 2 | cell: 40-50x14 | 45 | | 14 | 14 | | | 1 | 8 820 | |
| <i>Diploneis didyma</i> | (Ehrenberg) P.T. Cleve 1894 | A | oval cylinder | | cell: 40-45x20 | | | | 12.6 | 42 | 20 | 1 | 8 308 | |
| <i>Diploneis elliptica</i> | (Kützing) P.T. Cleve 1891 | A | oval cylinder | | cell: 30-40x20 | | | | 14 | 35 | 20 | 1 | 7 693 | |
| <i>Diploneis interrupta</i> | (Kützing) P.T. Cleve 1894 | A | oval cylinder | | cell: 50x14 | | | | 14 | 50 | 14 | 1 | 7 693 | |
| <i>Eunotia spp.</i> | | A | parallelepiped | | cell: 400-450 | 425 | | 5.6 | 5.6 | | | 1 | 13 328 | 8 |
| <i>Fragilaria capucina v. capucina</i> | Desmazières 1825 | A | parallelepiped | 1 | cell: 3x25-30 | 28 | | 3 | 2.8 | | | 1 | 235 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|--|-------------------------------|-----------------|---------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Fragilaria capucina v. capucina</i> | Desmazières 1825 | A | parallelepiped | 2 | cell: 4x30-40 | 36 | | 4 | 4 | | | 1 | 576 | |
| <i>Fragilaria crotonensis</i> | Kitton 1869 | A | half parallelepiped | 1 | cell: 3-4x30-50 | 40 | | 3.5 | 3 | | | 1 | 210 | |
| <i>Fragilaria crotonensis</i> | Kitton 1869 | A | half parallelepiped | 2 | cell: 4-5x50-80 | 65 | | 4.5 | 4 | | | 1 | 585 | |
| <i>Fragilaria crotonensis</i> | Kitton 1869 | A | half parallelepiped | 3 | cell: 5-6x100-120 | 115 | | 5.5 | 5 | | | 1 | 1 581 | |
| <i>Fragilaria heidenii</i> | Østrup 1910 | A | half parallelepiped | 1 | cell: 7x20-30 | 25 | | 7 | 5 | | | 1 | 438 | |
| <i>Fragilaria heidenii</i> | Østrup 1910 | A | half parallelepiped | 2 | cell: 8-9x30-40 | 35 | | 8.5 | 5.6 | | | 1 | 833 | |
| <i>Fragilaria heidenii</i> | Østrup 1910 | A | half parallelepiped | 3 | cell: 8-9x40-60 | 56 | | 8.5 | 5 | | | 1 | 1 190 | |
| <i>Fragilaria istvanffyi</i> | Pantocsek 1902 | A | half parallelepiped | | cell: 8-9x30-40 | 35 | | 8.5 | 5.6 | | | 1 | 833 | |
| <i>Fragilaria spp.</i> | | A | half parallelepiped | 1 | cell: 2-3x15-30 | 22 | | 2.5 | 2.5 | | | 1 | 69 | |
| <i>Fragilaria spp.</i> | | A | half parallelepiped | 2 | cell: 3-4x30-40 | 35 | | 3.5 | 3.5 | | | 1 | 214 | |
| <i>Fragilaria spp.</i> | | A | half parallelepiped | 3 | cell: 5-6x40-60 | 50 | | 5.5 | 5 | | | 1 | 688 | |
| <i>Fragilaria spp.</i> | | A | half parallelepiped | 4 | cell: 7-8x60-80 | 70 | | 7.5 | 5 | | | 1 | 1 313 | |
| <i>Fragilariforma virescens</i> | (Ralfs) Williams & Round 1988 | A | half parallelepiped | 1 | cell: 4-5x12-14 | 13 | | 4.5 | 4.5 | | | 1 | 132 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|---|--------|------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|-------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Fragilariforma virescens</i> | (Ralfs) Williams & Round 1988 | A | half parallelepiped | 2 | cell: 5-7x15-17 | 16 | | 6 | 6 | | | 1 | 288 | |
| <i>Fragilariforma virescens</i> | (Ralfs) Williams & Round 1988 | A | half parallelepiped | 3 | cell: 7-9x18-22 | 20 | | 8 | 8 | | | 1 | 640 | |
| <i>Fragilariopsis cylindrus</i> | (Grunow in Cleve & Möller) W. Krieger in Helmcke & Krieger 1954 | A | half parallelepiped | | cell: 3-4x15-20 | 17 | | 3.5 | 3.5 | | | 1 | 104 | |
| <i>Gomphonema olivaceum</i> v. <i>olivaceum</i> | (Hornemann) Brébisson 1838 | A | half parallelepiped | | cell: 20-30x8-9 | 25 | | 8.4 | 6 | | | 1 | 630 | |
| <i>Grammatophora marina</i> | (Lyngbye) Kützing 1844 | A | oval cylinder | 1 | cell: 28x14 | | | | 14 | 28 | 14 | 1 | 4 308 | |
| <i>Grammatophora marina</i> | (Lyngbye) Kützing 1844 | A | oval cylinder | 2 | cell: 36x16 | | | | 16 | 36 | 16 | 1 | 7 235 | |
| <i>Gyrosigma acuminatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepiped-30% | 1 | cell: 50-80x8-10 | 65 | | 9 | 6 | | | 1 | 2 457 | |
| <i>Gyrosigma acuminatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepiped-30% | 2 | cell: 80-120x10-12 | 100 | | 11 | 8.4 | | | 1 | 6 468 | |
| <i>Gyrosigma acuminatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepiped-30% | 3 | cell: 120-170x12-14 | 140 | | 13 | 9.6 | | | 1 | 12 230 | |
| <i>Gyrosigma acuminatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepiped-30% | 4 | cell: 170-200x14-16 | 185 | | 15 | 10 | | | 1 | 19 425 | |
| <i>Gyrosigma attenuatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepiped-30% | 1 | cell: 100-120x15-17 | 110 | | 16 | 9.6 | | | 1 | 11 827 | HD fac.=0.6 |
| <i>Gyrosigma attenuatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepiped-30% | 2 | cell: 120-150x17-20 | 135 | | 18.5 | 11.1 | | | 1 | 19 406 | HD fac.=0.6 |
| <i>Gyrosigma attenuatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepiped-30% | 3 | cell: 150-200x20-25 | 196 | | 22.5 | 13.5 | | | 1 | 41 675 | HD fac.=0.6 |
| <i>Gyrosigma attenuatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepiped-30% | 4 | cell: 200-250x25-30 | 224 | | 27.5 | 16.5 | | | 1 | 71 148 | HD fac.=0.6 |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|------------------------------------|--------|----------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|-------------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Gyrosigma attenuatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepi ped-30% | 5 | cell: 250-300x30-35 | 275 | | 33 | 19.8 | | | 1 | 125 780 | HD fac.=0.6 |
| <i>Gyrosigma attenuatum</i> | (Kützing) Rabenhorst 1853 | A | parallelepi ped-30% | 6 | cell: 250-300x35-40 | 282 | | 38 | 22.8 | | | 1 | 171 027 | HD fac.=0.6 |
| <i>Gyrosigma balticum</i> | (Ehrenberg) Rabenhorst 1853 | A | parallelepi ped-10% | | cell: 250-300x25 | 294 | | 25 | 32 | | | 1 | 211 680 | |
| <i>Gyrosigma eximium</i> | (Thwaites) Boyer 1927 | A | parallelepi ped-10% | | cell: 50-100x10-15 | 70 | | 12 | 12 | | | 1 | 9 072 | |
| <i>Gyrosigma macrum</i> | (W. Smith) Griffith & Henfrey 1856 | A | half parallelepi ped | 1 | cell: 100-150x14 | 112 | | 14 | 14 | | | 1 | 10 976 | |
| <i>Gyrosigma macrum</i> | (W. Smith) Griffith & Henfrey 1856 | A | half parallelepi ped | 2 | cell: 220-250x12 | 236 | | 12 | 12 | | | 1 | 16 992 | |
| <i>Gyrosigma strigilis</i> | (W. Smith) P.T. Cleve 1894 | A | parallelepi ped-30% | | cell: 300-400x30-40 | 362 | | 35 | 30 | | | 1 | 133 035 | |
| <i>Licmophora gracilis v. gracilis</i> | (Ehrenberg) Grunow 1867 | A | half parallelepi ped | | cell: 80-100x30-35 | 90 | | 32.5 | 18 | | | 1 | 26 325 | |
| <i>Licmophora spp.</i> | | A | half parallelepi ped | | cell: 55-65 | 60 | | 20 | 45 | | | 1 | 27 000 | |
| <i>Mastogloia smithii v. smithii</i> | Thwaites in W. Smith 1856 | A | oval cylinder | | cell: 10-15x25-35 | | | | 12 | 30.8 | 12 | 1 | 3 482 | |
| <i>Meridion circulare v. circulare</i> | (Greville) C.A. Agardh 1831 | A | half parallelepi ped | 1 | cell: 20-25x10 | 22 | | 10 | 7 | | | 1 | 770 | |
| <i>Meridion circulare v. circulare</i> | (Greville) C.A. Agardh 1831 | A | half parallelepi ped | 2 | cell: 25-30x8 | 28 | | 8.3 | 8.3 | | | 1 | 964 | |
| <i>Navicula capitata v. capitata</i> | Ehrenberg 1838 | A | half parallelepi ped | 1 | cell: 6x19-21 | 20 | | 6 | 6 | | | 1 | 360 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|-----------------------------------|--------|------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Navicula capitata</i> v. <i>capitata</i> | Ehrenberg 1838 | A | half parallelepiped | 2 | cell: 7x19-25 | 22 | | 7 | 7 | | | 1 | 539 | |
| <i>Navicula capitata</i> v. <i>capitata</i> | Ehrenberg 1838 | A | half parallelepiped | 3 | cell: 8x19-25 | 22 | | 8.4 | 8.4 | | | 1 | 776 | |
| <i>Navicula capitata</i> v. <i>capitata</i> | Ehrenberg 1838 | A | half parallelepiped | 4 | cell: 11-12x21-23 | 22 | | 11.2 | 11.2 | | | 1 | 1 380 | |
| <i>Navicula capitata</i> v. <i>hungarica</i> | (Grunow) R. Ross 1947 | A | oval cylinder | | cell: 7-9x20-25 | | | | 8.4 | 22.4 | 8 | 1 | 1 241 | |
| <i>Navicula cari</i> | Ehrenberg 1836 | A | parallelepiped-40% | | cell: 10-12x35-40 | 38 | | 11 | 11.2 | | | 1 | 2 809 | |
| <i>Navicula cryptocephala</i> | Kützing 1844 | A | parallelepiped-40% | | cell: 8-10x30-35 | 33.6 | | 9 | 5 | | | 1 | 907 | |
| <i>Navicula digitoradiata</i> | (Gregory) Ralfs in Pritchard 1861 | A | oval cylinder | | cell: 10-15x40-50 | | | | 10 | 45 | 12 | 1 | 4 239 | |
| <i>Navicula gregaria</i> | Donkin 1861 | A | parallelepiped-40% | | cell: 6-8x12-17 | 14 | | 7 | 7 | | | 1 | 412 | |
| <i>Navicula lesmonensis</i> | Hustedt 1957 | A | parallelepiped-30% | | cell: 6-8x18-20 | 19 | | 7 | 6.4 | | | 1 | 596 | |
| <i>Navicula meniscus</i> | Schumann 1867 | A | parallelepiped-20% | | cell: 14-16x30-40 | 33 | | 15 | 15 | | | 1 | 5 940 | |
| <i>Navicula palpebralis</i> | Brébisson ex W. Smith 1853 | A | parallelepiped-40% | | cell: 20-25x50-70 | 60 | | 22.5 | 20 | | | 1 | 16 200 | |
| <i>Navicula peregrina</i> v. <i>peregrina</i> | (Ehrenberg) Kützing 1844 | A | parallelepiped-40% | 1 | cell: 14x55-80 | 58 | | 14 | 12 | | | 1 | 5 846 | |
| <i>Navicula peregrina</i> v. <i>peregrina</i> | (Ehrenberg) Kützing 1844 | A | parallelepiped-40% | 2 | cell: 20x80-120 | 103 | | 20 | 15 | | | 1 | 18 540 | |
| <i>Navicula peregrina</i> v. <i>peregrina</i> | (Ehrenberg) Kützing 1844 | A | parallelepiped-40% | 3 | cell: 23x130 | 130 | | 23 | 18 | | | 1 | 32 292 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|--|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Navicula platystoma</i> | Ehrenberg 1838 | A | parallelepiped-20% | | cell: 15-18x28-46 | 42 | | 17 | 14 | | | 1 | 7 997 | |
| <i>Navicula reinhardtii</i> | (Grunow) Grunow in Cleve & Möller 1877 | A | oval cylinder | | cell: 15-18x40-50 | | | | 14 | 47.6 | 16.8 | 1 | 8 788 | |
| <i>Navicula rhynchocephala</i> | Kützing 1844 | A | half parallelepiped | | cell: 15-16x40-50 | 47.6 | | 15.5 | 15.5 | | | 1 | 5 718 | |
| <i>Navicula transitans v. transitans</i> | Cleve 1883 | A | parallelepiped-40% | | cell: 6x30-40 | 35 | | 6 | 6 | | | 1 | 756 | |
| <i>Navicula tripunctata</i> | (O.F. Müller) Bory 1822 | A | parallelepiped-20% | | cell: 10x30-50 | 40 | | 10 | 10 | | | 1 | 3 200 | |
| <i>Navicula vanhoeffenii</i> | Gran 1897 | A | parallelepiped-20% | | cell: 12x30-50 | 40 | | 12 | 7.8 | | | 1 | 2 995 | |
| <i>Navicula viridula v. viridula</i> | (Kützing) Ehrenberg 1838 | A | parallelepiped-30% | | cell: 13-15x60-70 | 63.8 | | 14 | 7 | | | 1 | 4 377 | |
| <i>Navicula spp.</i> | | A | parallelepiped-40% | 1 | cell: 4-6x20-30 | 25 | | 5 | 5 | | | 1 | 375 | |
| <i>Navicula spp.</i> | | A | parallelepiped-40% | 2 | cell: 7-8x30-40 | 35 | | 7.5 | 7.5 | | | 1 | 1 181 | |
| <i>Navicula spp.</i> | | A | parallelepiped-40% | 3 | cell: 10x30-40 | 35 | | 10 | 10 | | | 1 | 2 100 | |
| <i>Navicula spp.</i> | | A | parallelepiped-40% | 4 | cell: 15x40-60 | 60 | | 15 | 12 | | | 1 | 6 480 | |
| <i>Navicula spp.</i> | | A | parallelepiped-40% | 5 | cell: 20x70-90 | 80 | | 20 | 15 | | | 1 | 14 400 | |
| <i>Nitzschia acicularis v. acicularis</i> | (Kützing) W. Smith 1853 | A | rotational ellipsoid | | cell: 3x35-45 | | | | 40 | 3 | | 1 | 188 | 9 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|-----------------------------|--|-----------------|----------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Nitzschia frigida</i> | Grunow in Cleve & Grunow 1880 | A | rotational ellipsoid | | cell: 4-5x30-50 | | | | 41 | 4.5 | | 1 | 434 | |
| <i>Nitzschia longissima</i> | (Brébisson in Kützing) Ralfs in Pritchard 1861 | A | 2 cones | 1 | cell: 3x65-85 | | | | 75 | 3 | | 1 | 177 | |
| <i>Nitzschia longissima</i> | (Brébisson in Kützing) Ralfs in Pritchard 1861 | A | 2 cones | 2 | cell: 3x85-155 | | | | 125 | 3 | | 1 | 294 | |
| <i>Nitzschia longissima</i> | (Brébisson in Kützing) Ralfs in Pritchard 1861 | A | 2 cones | 3 | cell: 4-6x85-110 | | | | 96 | 4.8 | | 1 | 579 | |
| <i>Nitzschia paleacea</i> | (Grunow) Grunow in Van Heurck 1881 | A | rotational ellipsoid | | cell: 3x30-40 | | | | 35 | 3 | | 1 | 165 | |
| <i>Nitzschia sigmaidea</i> | (Nitzsch) W. Smith 1853 | A | parallelepiped | | cell: 15-20x150-200 | 180 | | 18 | 9 | | | 1 | 29 160 | |
| <i>Nitzschia vitrea</i> | Norman 1861 | A | parallelepiped-10% | | cell: 7x40-60 | 50 | | 7 | 7 | | | 1 | 2 205 | |
| <i>Nitzschia spp.</i> | | A | half parallelepiped | 1 | cell: 3x10 | 10 | | 3 | 3 | | | 1 | 45 | |
| <i>Nitzschia spp.</i> | | A | half parallelepiped | 2 | cell: 3x40 | 40 | | 3 | 3 | | | 1 | 180 | |
| <i>Nitzschia spp.</i> | | A | half parallelepiped | 3 | cell: 3x70 | 70 | | 3 | 3 | | | 1 | 315 | |
| <i>Nitzschia spp.</i> | | A | half parallelepiped | 4 | cell: 7x40 | 40 | | 7 | 7 | | | 1 | 980 | |
| <i>Nitzschia spp.</i> | | A | half parallelepiped | 5 | cell: 7x50 | 50 | | 7 | 7 | | | 1 | 1 225 | |
| <i>Nitzschia spp.</i> | | A | half parallelepiped | 6 | cell: 8x20 | 20 | | 8 | 8 | | | 1 | 640 | |
| <i>Nitzschia spp.</i> | | A | half parallelepiped | 7 | cell: 8x40 | 40 | | 8 | 8 | | | 1 | 1 280 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|--|------------------------|--------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Nitzschia spp.</i> | A | half parallelepiped | 8 | cell: 8x50 | 50 | | 8 | 8 | | | 1 | 1 600 | |
| <i>Nitzschia spp.</i> | A | half parallelepiped | 9 | cell: 8x100 | 100 | | 8 | 8 | | | 1 | 3 200 | |
| <i>Nitzschia spp.</i> | A | half parallelepiped | 10 | cell: 13x40 | 40 | | 13 | 13 | | | 1 | 3 380 | |
| <i>Nitzschia spp.</i> | A | half parallelepiped | 11 | cell: 13x50 | 50 | | 13 | 13 | | | 1 | 4 225 | |
| <i>Nitzschia spp.</i> | A | half parallelepiped | 12 | cell: 13x100 | 100 | | 13 | 13 | | | 1 | 8 450 | |
| <i>Pseudo-nitzschia delicatissima</i> | (P.T. Cleve) Heiden in Heiden & Kolbe 1928 | A | parallelepiped-10% | cell: 1x50-60 | 55 | | 1 | 1 | | | 1 | 50 | |
| <i>Pseudo-nitzschia delicatissima</i> | (P.T. Cleve) Heiden in Heiden & Kolbe 1928 | A | parallelepiped-10% | cell: 2x40-50 | 45 | | 1.9 | 1.9 | | | 1 | 146 | |
| <i>Pseudo-nitzschia delicatissima</i> | (P.T. Cleve) Heiden in Heiden & Kolbe 1928 | A | parallelepiped-10% | cell: 2-3x50-60 | 55 | | 2.5 | 2.5 | | | 1 | 309 | |
| <i>Pseudo-nitzschia pseudodelicatissima</i> | (Hasle) Hasle 1993 | A | parallelepiped-10% | cell: 1-2x50-70 | 60 | | 1.5 | 1.5 | | | 1 | 122 | |
| <i>Pseudo-nitzschia pungens</i> | (Grunow ex P.T. Cleve) Hasle 1993 | A | parallelepiped-20% | cell: 3x100-120 | 110 | | 3 | 3 | | | 1 | 792 | |
| <i>Pseudo-nitzschia pungens</i> | (Grunow ex P.T. Cleve) Hasle 1993 | A | parallelepiped-20% | cell: 4x85-130 | 120 | | 4 | 3 | | | 1 | 1 152 | |
| <i>Pseudo-nitzschia pungens</i> | (Grunow ex P.T. Cleve) Hasle 1993 | A | parallelepiped-20% | cell: 5-6x120-130 | 120 | | 5.5 | 5 | | | 1 | 2 640 | |
| <i>Pseudo-nitzschia pungens</i> | (Grunow ex P.T. Cleve) Hasle 1993 | A | parallelepiped-20% | cell: 8x130-150 | 140 | | 8 | 5 | | | 1 | 4 480 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|---|--------|----------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Pseudo-nitzschia seriata</i> f. <i>seriata</i> | (P.T. Cleve) H. Peragallo in H. & M. Peragallo 1900 | A | parallelepi ped-20% | 1 | cell: 5x90-110 | 100 | | 5 | 5 | | | 1 | 2 000 | |
| <i>Pseudo-nitzschia seriata</i> f. <i>seriata</i> | (P.T. Cleve) H. Peragallo in H. & M. Peragallo 1900 | A | parallelepi ped-20% | 2 | cell: 6x100-110 | 105 | | 6 | 6 | | | 1 | 3 024 | |
| <i>Pseudo-nitzschia seriata</i> f. <i>seriata</i> | (P.T. Cleve) H. Peragallo in H. & M. Peragallo 1900 | A | parallelepi ped-20% | 3 | cell: 8x80-100 | 90 | | 8 | 8 | | | 1 | 4 608 | |
| <i>Pseudo-nitzschia seriata</i> f. <i>seriata</i> | (P.T. Cleve) H. Peragallo in H. & M. Peragallo 1900 | A | parallelepi ped-20% | 4 | cell: 10x110-120 | 115 | | 10 | 10 | | | 1 | 9 200 | |
| <i>Pseudo-nitzschia</i> spp. | | A | parallelepi ped-20% | 1 | cell: 3x10 | 10 | | 3 | 2 | | | 1 | 48 | |
| <i>Pseudo-nitzschia</i> spp. | | A | parallelepi ped-20% | 2 | cell: 3x40 | 40 | | 3 | 2 | | | 1 | 192 | |
| <i>Rhoicosphenia abbreviata</i> | (C.A. Agardh) Lange-Bertalot 1980 | A | half parallelepi ped | 1 | cell: 23-27x5-6 | 24 | | 5.5 | 5.5 | | | 1 | 363 | |
| <i>Rhoicosphenia abbreviata</i> | (C.A. Agardh) Lange-Bertalot 1980 | A | half parallelepi ped | 2 | cell: 23-27x10-12 | 25 | | 11.2 | 6 | | | 1 | 840 | |
| <i>Stausosira construens</i> v. <i>construens</i> | Ehrenberg 1843 | A | half parallelepi ped | | cell: 8-12x10-25 | 17 | | 10 | 6 | | | 1 | 510 | |
| <i>Stausosira construens</i> v. <i>binodis</i> | (Ehrenberg) Grunow 1862 | A | half parallelepi ped | | cell: 4-6x10-20 | 15 | | 5 | 5 | | | 1 | 188 | |
| <i>Stausosira construens</i> v. <i>venter</i> | (Ehrenberg) Hamilton 1992 | A | oval cylinder | | cell: 8-9x10-12 | | | | 8.3 | 11.2 | 8.3 | 1 | 606 | |
| <i>Surirella biseriata</i> | Brébisson in Brébisson & Godey 1836 | A | parallelepi ped-20% | 1 | cell: 55-60x150-200 | 155 | | 56 | 40 | | | 1 | 277 760 | |
| <i>Surirella biseriata</i> | Brébisson in Brébisson & Godey 1836 | A | parallelepi ped-20% | 2 | cell: 60-65x200-250 | 210 | | 62.5 | 56 | | | 1 | 588 000 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------|---------------------------|--------|--------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Surirella capronii</i> | Brébisson in Kitton 1869 | A | oval cylinder- 30% | 1 | cell: 60-65x130-150 | | | | 55 | 140 | 62 | 1 | 262 331 | |
| <i>Surirella capronii</i> | Brébisson in Kitton 1869 | A | oval cylinder- 30% | 2 | cell: 70-75x150-170 | | | | 67.2 | 160 | 72.8 | 1 | 430 119 | |
| <i>Surirella capronii</i> | Brébisson in Kitton 1869 | A | oval cylinder- 30% | 3 | cell: 80x170-190 | | | | 72.8 | 184 | 80 | 1 | 588 853 | |
| <i>Surirella crumena</i> | Brébisson ex Kützing 1849 | A | oval cylinder | 1 | cell: 25-27x26-32 | | | | 16.8 | 31 | 27 | 1 | 11 038 | |
| <i>Surirella crumena</i> | Brébisson ex Kützing 1849 | A | oval cylinder | 2 | cell: 48-50x49-52 | | | | 28 | 51 | 49 | 1 | 54 928 | |
| <i>Surirella minuta</i> | Brébisson in Kützing 1849 | A | oval cylinder | 1 | cell: 10-13x15-20 | | | | 11.2 | 16.8 | 11.2 | 1 | 1 654 | |
| <i>Surirella minuta</i> | Brébisson in Kützing 1849 | A | oval cylinder | 2 | cell: 13-15x20-30 | | | | 14 | 26.6 | 14 | 1 | 4 093 | |
| <i>Surirella robusta</i> | Ehrenberg 1841 | A | oval cylinder | | cell: 70-90x140-180 | | | | 56 | 160 | 79 | 1 | 555 654 | |
| <i>Surirella spp.</i> | | A | oval cylinder | 1 | cell: 10x15 | | | | 10 | 15 | 10 | 1 | 1 178 | |
| <i>Surirella spp.</i> | | A | oval cylinder | 2 | cell: 20x50 | | | | 20 | 50 | 20 | 1 | 15 700 | |
| <i>Surirella spp.</i> | | A | oval cylinder | 3 | cell: 40x50 | | | | 30 | 50 | 40 | 1 | 47 100 | |
| <i>Surirella spp.</i> | | A | oval cylinder | 4 | cell: 100x150 | | | | 80 | 150 | 100 | 1 | 942 000 | |
| <i>Synedra acus v. acus</i> | Kützing 1844 | A | half parallelepiped | 1 | cell: 3-4x100-130 | 113 | | 3.5 | 3.5 | | | 1 | 692 | |
| <i>Synedra acus v. acus</i> | Kützing 1844 | A | half parallelepiped | 2 | cell: 5x130-170 | 145 | | 5 | 5 | | | 1 | 1 813 | |
| <i>Synedra acus v. acus</i> | Kützing 1844 | A | half parallelepiped | 3 | cell: 6x170-210 | 190 | | 5.6 | 5.6 | | | 1 | 2 979 | |
| <i>Synedra berlinensis</i> | Lemmermann 1900 | A | half parallelepiped | | cell: 2.5-3x30-40 | 36.4 | | 2.8 | 2.8 | | | 1 | 143 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|------------------------------|-------------------------------------|--------|------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Synedra parasitica</i> | (W. Smith) Hustedt 1930 | A | half parallelepiped | | cell: 7x25-30 | 28 | | 7 | 3.5 | | | 1 | 343 | |
| <i>Synedra ulna v. ulna</i> | (Nitzsch) Ehrenberg 1832 | A | half parallelepiped | 1 | cell: 5-10x80-130 | 110 | | 7.5 | 6 | | | 1 | 2 475 | |
| <i>Synedra ulna v. ulna</i> | (Nitzsch) Ehrenberg 1832 | A | half parallelepiped | 2 | cell: 5-10x130-180 | 160 | | 7.5 | 6 | | | 1 | 3 600 | |
| <i>Synedra ulna v. ulna</i> | (Nitzsch) Ehrenberg 1832 | A | half parallelepiped | 3 | cell: 5-10x180-230 | 210 | | 7.5 | 6 | | | 1 | 4 725 | |
| <i>Synedra ulna v. ulna</i> | (Nitzsch) Ehrenberg 1832 | A | half parallelepiped | 4 | cell: 5-10x230-300 | 270 | | 7.5 | 6 | | | 1 | 6 075 | |
| <i>Tabellaria fenestrata</i> | (Lyngbye) Kützing 1844 | A | parallelepiped | 1 | cell: 6x20-40 | 28 | | 6 | 12 | | | 1 | 2 016 | |
| <i>Tabellaria fenestrata</i> | (Lyngbye) Kützing 1844 | A | parallelepiped | 2 | cell: 6x40-50 | 44.8 | | 6 | 12 | | | 1 | 3 226 | |
| <i>Tabellaria fenestrata</i> | (Lyngbye) Kützing 1844 | A | parallelepiped | 3 | cell: 8x50-60 | 53.2 | | 8.3 | 16 | | | 1 | 7 065 | |
| <i>Tabularia fasciculata</i> | (C.A. Agardh) Williams & Round 1986 | A | half parallelepiped | 1 | cell: 5-6x80-100 | 95.2 | | 5.6 | 5.6 | | | 1 | 1 493 | |
| <i>Tabularia fasciculata</i> | (C.A. Agardh) Williams & Round 1986 | A | half parallelepiped | 2 | cell: 8-9x60-80 | 67.2 | | 8.4 | 8.4 | | | 1 | 2 371 | |
| <i>Tabularia fasciculata</i> | (C.A. Agardh) Williams & Round 1986 | A | half parallelepiped | 3 | cell: 8-9x150-200 | 174 | | 8.4 | 8.4 | | | 1 | 6 139 | |
| <i>Tabularia fasciculata</i> | (C.A. Agardh) Williams & Round 1986 | A | half parallelepiped | 4 | cell: 12x300-350 | 336 | | 12 | 12 | | | 1 | 24 192 | |
| <i>Tabularia tabulata</i> | (C.A. Agardh) Snoeijs 1992 | A | half parallelepiped | 1 | cell: 8x100-150 | 129 | | 8 | 8 | | | 1 | 4 128 | |
| <i>Tabularia tabulata</i> | (C.A. Agardh) Snoeijs 1992 | A | half parallelepiped | 2 | cell: 14x200-250 | 238 | | 14 | 10 | | | 1 | 16 660 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|------------------------------------|---------------------------------|-----------------|---------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Thalassionema nitzschioides</i> | (Grunow) Grunow ex Hustedt 1932 | A | parallelepiped | 1 | cell: 2x50-55 | 53 | | 2 | 2 | | | 1 | 212 | |
| <i>Thalassionema nitzschioides</i> | (Grunow) Grunow ex Hustedt 1932 | A | parallelepiped | 2 | cell: 2-3x55-70 | 60 | | 2.5 | 2.5 | | | 1 | 375 | |
| <i>Thalassionema nitzschioides</i> | (Grunow) Grunow ex Hustedt 1932 | A | parallelepiped | 3 | cell: 3x40-50 | 45 | | 3 | 3 | | | 1 | 405 | |
| <i>Thalassionema nitzschioides</i> | (Grunow) Grunow ex Hustedt 1932 | A | parallelepiped | 4 | cell: 4x30-50 | 40 | | 4 | 4 | | | 1 | 640 | |
| <i>Thalassionema nitzschioides</i> | (Grunow) Grunow ex Hustedt 1932 | A | parallelepiped | 5 | cell: 4x50-80 | 65 | | 4 | 4 | | | 1 | 1 040 | |
| <i>Thalassionema nitzschioides</i> | (Grunow) Grunow ex Hustedt 1932 | A | parallelepiped | 6 | cell: 5x40-50 | 45 | | 5 | 5 | | | 1 | 1 125 | |
| <i>Thalassionema nitzschioides</i> | (Grunow) Grunow ex Hustedt 1932 | A | parallelepiped | 7 | cell: 6x40-60 | 50 | | 6 | 5 | | | 1 | 1 500 | |
| <i>Thalassionema nitzschioides</i> | (Grunow) Grunow ex Hustedt 1932 | A | parallelepiped | 8 | cell: 8x40-60 | 50 | | 8 | 6 | | | 1 | 2 400 | |
| <i>Pennales</i> , unidentified | | A | half parallelepiped | 1 | cell: 4-5x10-15 | 12.5 | | 4.5 | 4 | | | 1 | 113 | |
| <i>Pennales</i> , unidentified | | A | half parallelepiped | 2 | cell: 4-6x15-25 | 20 | | 5 | 4 | | | 1 | 200 | |
| <i>Pennales</i> , unidentified | | A | half parallelepiped | 3 | cell: 4-6x25-35 | 30 | | 5 | 4 | | | 1 | 300 | |
| <i>Pennales</i> , unidentified | | A | half parallelepiped | 4 | cell: 4-6x35-50 | 42 | | 5 | 4 | | | 1 | 420 | |
| <i>Pennales</i> , unidentified | | A | half parallelepiped | 5 | cell: 4-6x50-70 | 60 | | 5 | 4 | | | 1 | 600 | |
| <i>Pennales</i> , unidentified | | A | half parallelepiped | 6 | cell: 4-6x70-100 | 85 | | 5 | 4 | | | 1 | 850 | |
| <i>Pennales</i> , unidentified | | A | half parallelepiped | 7 | cell: 7-9x25-35 | 30 | | 8 | 7 | | | 1 | 840 | |
| <i>Pennales</i> , unidentified | | A | half parallelepiped | 8 | cell: 7-9x35-50 | 42 | | 8 | 7 | | | 1 | 1 176 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|--------|---------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 9 | cell: 7-9x50-70 | 60 | | 8 | 7 | | | 1 | 1 680 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 10 | cell: 7-9x70-100 | 85 | | 8 | 7 | | | 1 | 2 380 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 11 | cell: 9-12x25-35 | 30 | | 10.5 | 8 | | | 1 | 1 260 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 12 | cell: 9-12x35-50 | 42 | | 10.5 | 8 | | | 1 | 1 764 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 13 | cell: 9-12x50-70 | 60 | | 10.5 | 8 | | | 1 | 2 520 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 14 | cell: 9-12x70-100 | 85 | | 10.5 | 8 | | | 1 | 3 570 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 15 | cell: 12-20x40-60 | 50 | | 16 | 12 | | | 1 | 4 800 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 16 | cell: 12-20x60-90 | 85 | | 16 | 12 | | | 1 | 8 160 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 17 | cell: 12-20x90-120 | 105 | | 16 | 12 | | | 1 | 10 080 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 18 | cell: 20-30x40-60 | 50 | | 25 | 15 | | | 1 | 9 375 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 19 | cell: 20-30x60-90 | 85 | | 25 | 15 | | | 1 | 15 938 | |
| <i>Pennales</i> , unidentified | A | half parallelepiped | 20 | cell: 20-30x90-120 | 105 | | 25 | 15 | | | 1 | 19 688 | |
| Class Tribophyceae (Xanthophyceae, Heterokontae) | | | | | | | | | | | | | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|------------------------------|-----------------|--------------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| Order MISCHOCOCCALES (HETEROCOCCALES) | | | | | | | | | | | | | |
| <i>Goniochloris mutica</i> | (A. Braun) Fott 1960 | A | half parallelepiped | cell: 10-12 | 11.4 | | 11.4 | 3 | | | 1 | 195 | |
| Class Raphidophyceae (Chloromonadophyceae) | | | | | | | | | | | | | |
| Order CHATTONELLALES | | | | | | | | | | | | | |
| <i>Chattonella cf. verruculosa</i> | Hara et Chihara | A | cone + half sphere | 1 cell: 10-20 | | | | 15 | 10 | | 1 | 523 | |
| <i>Chattonella cf. verruculosa</i> | Hara et Chihara | A | cone + half sphere | 2 cell: 20-30 | | | | 25 | 14 | | 1 | 1 641 | |
| <i>Chattonella cf. verruculosa</i> | Hara et Chihara | A | cone + half sphere | 3 cell: 30-40 | | | | 35 | 17 | | 1 | 3 290 | |
| <i>Heterosigma akashiwo</i> | (Hada) Hada 1987 | A | sphere | 1 cell: 15-25 | | | | | 20 | | 1 | 4 187 | |
| Division EUGLENOPHYTA | | | | | | | | | | | | | |
| Class Euglenophyceae | | | | | | | | | | | | | |
| Order EUGLENALES | | | | | | | | | | | | | |
| <i>Colacium vesiculosum</i> | Ehrenberg 1838 | A | rotational ellipsoid | cell: 7x14 | | | | 14 | 7 | | 1 | 359 | |
| <i>Euglena acus</i> | Ehrenberg 1830 | A | cone | cell: 7-9x80-120 | | | | 95 | 8 | | 1 | 1 591 | |
| <i>Euglena oxyuris</i> | Schmarda 1846 | A | cone | cell: 20-22x120-160 | | | | 140 | 21 | | 1 | 16 155 | |
| <i>Euglena viridis</i> | (O.F. Müller) Ehrenberg 1830 | A | rotational ellipsoid | cell: 20-25x50-60 | | | | 56 | 22.4 | | 1 | 7 352 | |
| <i>Euglena spp.</i> | | A | cone | 1 cell: 8x45-55 | | | | 50 | 8 | | 1 | 837 | |
| <i>Euglena spp.</i> | | A | cone | 2 cell: 10x60-80 | | | | 70 | 10 | | 1 | 1 832 | |
| <i>Euglena spp.</i> | | A | cone | 3 cell: 15x40-60 | | | | 50 | 15 | | 1 | 2 944 | |
| <i>Euglena spp.</i> | | A | cone | 4 cell: 14-15x60-80 | | | | 70 | 14.5 | | 1 | 3 851 | |
| <i>Euglena spp.</i> | | A | cone | 5 cell: 20-25x60-80 | | | | 70 | 22 | | 1 | 8 865 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------|-------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Eutreptia lanowii</i> | Steuer 1904 | A | rotational ellipsoid | | cell: 11-12x15-20 | | | | 16.8 | 11.4 | | 1 | 1 143 | |
| <i>Eutreptia viridis</i> | Perty 1852 | A | rotational ellipsoid | | cell: 20-25x50-60 | | | | 56 | 22.4 | | 1 | 14 705 | |
| <i>Eutreptia spp.</i> | | A | cone | 1 | cell: 5x20 | | | | 20 | 5 | | 1 | 131 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 2 | cell: 5-7x15-20 | | | | 17.5 | 6 | | 1 | 330 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 3 | cell: 5-7x20-25 | | | | 22.5 | 6 | | 1 | 424 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 4 | cell: 7-9x15-20 | | | | 17.5 | 8 | | 1 | 586 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 5 | cell: 7-9x20-30 | | | | 25 | 8 | | 1 | 837 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 6 | cell: 9-11x15-20 | | | | 17.5 | 10 | | 1 | 916 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 7 | cell: 9-11x20-40 | | | | 30 | 10 | | 1 | 1 570 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 8 | cell: 11-13x40-60 | | | | 50 | 12 | | 1 | 3 768 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 9 | cell: 13-15x40-60 | | | | 50 | 14 | | 1 | 5 129 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 10 | cell: 15-17x40-60 | | | | 50 | 16 | | 1 | 6 699 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 11 | cell: 17-22x60-80 | | | | 70 | 19 | | 1 | 13 225 | |
| <i>Eutreptia spp.</i> | | A | rotational ellipsoid | 12 | cell: 22-27x60-80 | | | | 70 | 24.5 | | 1 | 21 989 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Eutreptia</i> spp. | A | rotational ellipsoid | 13 | cell: 27-32x60-80 | | | | 70 | 29.5 | | 1 | 31 880 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 1 | cell: 5-7x10-15 | | | | 12.5 | 6 | | 1 | 236 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 2 | cell: 5-7x15-20 | | | | 17.5 | 6 | | 1 | 330 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 3 | cell: 5-7x20-25 | | | | 22.5 | 6 | | 1 | 424 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 4 | cell: 7-9x15-20 | | | | 17.5 | 8 | | 1 | 586 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 5 | cell: 7-9x20-25 | | | | 22.5 | 8 | | 1 | 754 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 6 | cell: 7-9x25-30 | | | | 27.5 | 8 | | 1 | 921 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 7 | cell: 9-11x10-15 | | | | 12.5 | 10 | | 1 | 654 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 8 | cell: 9-11x15-20 | | | | 17.5 | 10 | | 1 | 916 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 9 | cell: 9-11x20-30 | | | | 25 | 10 | | 1 | 1 308 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 10 | cell: 9-11x30-40 | | | | 35 | 10 | | 1 | 1 832 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 11 | cell: 9-11x40-60 | | | | 50 | 10 | | 1 | 2 617 | |
| <i>Eutreptiella</i> spp. | A | rotational ellipsoid | 12 | cell: 11-13x15-20 | | | | 17.5 | 12 | | 1 | 1 319 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--------------------------------|--|------------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Eutreptiella spp.</i> | A | rotational ellipsoid | 13 | cell: 11-13x20-30 | | | | 25 | 12 | | 1 | 1 884 | |
| <i>Eutreptiella spp.</i> | A | rotational ellipsoid | 14 | cell: 11-13x30-40 | | | | 35 | 12 | | 1 | 2 638 | |
| <i>Eutreptiella spp.</i> | A | rotational ellipsoid | 15 | cell: 13-17x40-60 | | | | 50 | 15 | | 1 | 5 888 | |
| <i>Eutreptiella spp.</i> | A | rotational ellipsoid | 16 | cell: 17-23x50-70 | | | | 60 | 19 | | 1 | 11 335 | |
| <i>Eutreptiella spp.</i> | A | rotational ellipsoid | 17 | cell: 23-27x60-70 | | | | 65 | 25 | | 1 | 21 260 | |
| <i>Eutreptiella spp.</i> | A | rotational ellipsoid | 18 | cell: 27-33x70-80 | | | | 75 | 30 | | 1 | 35 325 | |
| <i>Lepocinclis ovum</i> | (Ehrenberg) Lemmermann 1901 | A cone | 1 | cell: 15-20x20-30 | | | | 25.2 | 16.8 | | 1 | 1 861 | |
| <i>Lepocinclis ovum</i> | (Ehrenberg) Lemmermann 1901 | A cone | 2 | cell: 22-27x45-50 | | | | 47.6 | 25.2 | | 1 | 7 910 | |
| <i>Phacus longicauda</i> | (Ehrenberg) Dujardin 1841 | A flattened ellipsoid | | cell: 15-20x30-40 | 35 | | | | 18 | 3 | 1 | 989 | |
| <i>Phacus pleuronectes</i> | (O.F. Müller) Dujardin 1841 | A flattened ellipsoid | | cell: 30-40x35-45 | 40 | | | | 35 | 5 | 1 | 3 663 | |
| <i>Phacus pyrum</i> | (Ehrenberg) Stein 1878 | A flattened ellipsoid | | cell: 18-20x30-35 | 32 | | | | 19.6 | 8.4 | 1 | 2 757 | |
| <i>Phacus spp.</i> | | A flattened ellipsoid | 1 | cell: 25-35x30-40 | 35 | | | | 30 | 5 | 1 | 2 748 | |
| <i>Phacus spp.</i> | | A flattened ellipsoid | 2 | cell: 35-45x40-60 | 50 | | | | 40 | 8 | 1 | 8 373 | |
| <i>Trachelomonas hispida</i> | (Perty) Stein 1878 <i>emend.</i> Deflandre | A rotational ellipsoid | | cell: 15-20x20-30 | | | | 25 | 17 | | 1 | 3 781 | |
| <i>Trachelomonas volvocina</i> | Ehrenberg 1838 | A sphere | | cell: 8-12 | | | | | 10 | | 1 | 523 | |
| <i>Trachelomonas spp.</i> | | A rotational ellipsoid | 1 | cell: 6-10x10-15 | | | | 12.5 | 8.4 | | 1 | 462 | |
| <i>Trachelomonas spp.</i> | | A sphere | 2 | cell: 10-20 | | | | | 15 | | 1 | 1 766 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|-----------------------------------|---------------------|----------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Euglenales</i> , unidentified | A | flattened ellipsoid | 1 | cell: 9x30 | 30 | | | | 9 | 5 | 1 | 707 | |
| <i>Euglenales</i> , unidentified | A | flattened ellipsoid | 2 | cell: 11x75 | 75 | | | | 11 | 5 | 1 | 2 159 | |
| <i>Euglenales</i> , unidentified | A | flattened ellipsoid | 3 | cell: 10x180 | 180 | | | | 10 | 5 | 1 | 4 710 | |
| <i>Euglenales</i> , unidentified | A | cone | 4 | cell: 5x50-70 | | | | 60 | 5 | | 1 | 393 | |
| Division CHLOROPHYTA | | | | | | | | | | | | | |
| Class Prasinophyceae (Micromonadophyceae) | | | | | | | | | | | | | |
| Order MAMIELLALES | | | | | | | | | | | | | |
| <i>Mantoniella squamata</i> | (Manton & Parke) Desikachary 1972 | A | rotational ellipsoid | cell: 3-5 | | | | 4 | 3.5 | | 1 | 26 | |
| <i>Micromonas pusilla</i> | (Butcher) Manton & Parke 1960 | A | rotational ellipsoid | cell: 1-3 | | | | 2 | 1 | | 1 | 1.0 | |
| Order CHLORODENDRALES | | | | | | | | | | | | | |
| <i>Nephroselmis</i> spp. | | A | rotational ellipsoid | cell: 3-5 | | | | 2 | 4 | | 1 | 17 | |
| <i>Pachysphaera</i> spp. | | A | sphere-20% | cell: 6-8 | | | | | 7 | | 1 | 144 | |
| <i>Pachysphaera</i> spp. | | A | rotational ellipsoid | cell: 14-16x9-10 | | | | 15 | 9.5 | | 1 | 708 | |
| <i>Pseudoscourfieldia marina</i> | (Thronksen) Manton 1975 | A | flattened ellipsoid | cell: 3-4 | 3.4 | | | | 2.6 | 1.3 | 1 | 6.0 | |
| <i>Pseudoscourfieldia</i> spp. | | A | flattened ellipsoid | cell: 3-4 | 3.4 | | | | 2.6 | 1.3 | 1 | 6.0 | |
| <i>Pseudoscourfieldia</i> spp. | | A | flattened ellipsoid | cell: 4-6 | 5 | | | | 4 | 2 | 1 | 21 | |
| <i>Pterosperma</i> spp. | | A | sphere | cell: 15 | | | | | 15 | | 1 | 1 766 | |
| <i>Pyramimonas virginica</i> | Pennick 1977 | A | trapezoid | cell: 4x2 | 2 | 2 | 2 | 4 | | | 1 | 16 | |
| <i>Pyramimonas virginica</i> | Pennick 1977 | A | trapezoid | cell: 4x3 | 3 | 3 | 3 | 4 | | | 1 | 36 | |
| <i>Pyramimonas</i> spp. | | A | trapezoid | cell: 4x3 | 3 | 1 | 3 | 4 | | | 1 | 24 | |
| <i>Pyramimonas</i> spp. | | A | trapezoid | cell: 5-7x5 | 5 | 3 | 5 | 6 | | | 1 | 120 | |
| <i>Pyramimonas</i> spp. | | A | trapezoid | cell: 8-10x6 | 6 | 4 | 6 | 9 | | | 1 | 270 | |
| <i>Pyramimonas</i> spp. | | A | trapezoid | cell: 10-12x9 | 9 | 5.6 | 9 | 11 | | | 1 | 723 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|---|-----------------------------------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Tetraselmis cordiformis</i> | (H.J. Carter) F. Stein 1878 | A | trapezoid | 1 | cell: 16-20 | 15 | 9 | 9 | 18 | | | 1 | 1 944 | |
| Class Charophyceae | | | | | | | | | | | | | | |
| Order KLEBSORMIDIALES | | | | | | | | | | | | | | |
| <i>Elakatothrix gelatinosa</i> | Wille 1898 | A | cone | 1 | cell: 5x16 | | | | 16 | 5 | | 1 | 105 | |
| <i>Elakatothrix gelatinosa</i> | Wille 1898 | A | cone | 2 | cell: 5x16 | | | | 16 | 5 | | 2 | 209 | |
| <i>Elakatothrix gelatinosa</i> | Wille 1898 | A | cone | 3 | cell: 5x16 | | | | 16 | 5 | | 4 | 419 | |
| <i>Elakatothrix gelatinosa</i> | Wille 1898 | A | cone | 4 | cell: 5x16 | | | | 16 | 5 | | 8 | 837 | |
| <i>Elakatothrix gelatinosa</i> | Wille 1898 | A | cone | 5 | cell: 5x16 | | | | 16 | 5 | | 16 | 1 675 | |
| <i>Elakatothrix genevensis</i> | (Reverdin) Hindák | A | 2 cones | 1 | cell: 3-4x15-20 | | | | 18 | 3.5 | | 1 | 58 | |
| <i>Elakatothrix genevensis</i> | (Reverdin) Hindák | A | 2 cones | 2 | cell: 3-4x15-20 | | | | 18 | 3.5 | | 2 | 115 | |
| <i>Elakatothrix genevensis</i> | (Reverdin) Hindák | A | 2 cones | 3 | cell: 4-6x25-35 | | | | 30 | 5 | | 1 | 196 | |
| <i>Elakatothrix genevensis</i> | (Reverdin) Hindák | A | 2 cones | 4 | cell: 4-6x25-35 | | | | 30 | 5 | | 2 | 393 | |
| <i>Koliella longiseta</i> f. <i>longiseta</i> | Hindák | A | 2 cones | | cell: 2.5-3x100-150 | | | | 129 | 2.8 | | 1 | 265 | |
| Order ZYGNEMATALES | | | | | | | | | | | | | | |
| <i>Closterium acerosum</i> | (Schrank) Ehrenberg ex Ralfs 1848 | A | 2 cones | 1 | cell: 20-30x300-350 | | | | 325 | 25.2 | | 1 | 54 005 | |
| <i>Closterium acerosum</i> | (Schrank) Ehrenberg ex Ralfs 1848 | A | 2 cones | 2 | cell: 30-35x500-600 | | | | 550 | 32.5 | | 1 | 152 012 | |
| <i>Closterium aciculare</i> | T. West 1860 | A | 2 cones | 1 | cell: 5-6x350-400 | | | | 380 | 5.6 | | 1 | 3 118 | |
| <i>Closterium aciculare</i> | T. West 1860 | A | 2 cones | 2 | cell: 6x500-550 | | | | 532 | 6 | | 1 | 5 011 | |
| <i>Closterium aciculare</i> | T. West 1860 | A | 2 cones | 3 | cell: 6x650-700 | | | | 677 | 6 | | 1 | 6 377 | |
| <i>Closterium acutum</i> v. <i>acutum</i> | Brébisson in Ralfs 1848 | A | 2 cones | 1 | cell: 4x100-150 | | | | 126 | 4 | | 1 | 528 | |
| <i>Closterium acutum</i> v. <i>acutum</i> | Brébisson in Ralfs 1848 | A | 2 cones | 2 | cell: 5x100-150 | | | | 129 | 5 | | 1 | 844 | |
| <i>Closterium acutum</i> v. <i>acutum</i> | Brébisson in Ralfs 1848 | A | 2 cones | 3 | cell: 6x100-150 | | | | 132 | 6 | | 1 | 1 243 | |
| <i>Closterium acutum</i> v. <i>variabile</i> | (Lemmermann) W. Krieger 1935 | A | 2 cones | 1 | cell: 4x80-100 | | | | 90 | 4 | | 1 | 377 | |
| <i>Closterium acutum</i> v. <i>variabile</i> | (Lemmermann) W. Krieger 1935 | A | 2 cones | 2 | cell: 5x120-180 | | | | 150 | 5 | | 1 | 981 | |
| <i>Closterium gracile</i> | Brébisson ex Ralfs 1848 | A | 2 cones | | cell: 5x150-200 | | | | 182 | 5 | | 1 | 1 191 | |
| <i>Closterium lineatum</i> | Ehrenberg ex Ralfs 1848 | A | 2 cones | | cell: 15-20x550-600 | | | | 574 | 16.8 | | 1 | 42 392 | |
| <i>Closterium moniliferum</i> | (Bory) Ehrenberg ex Ralfs 1848 | A | 2 cones | | cell: 40x250-350 | | | | 300 | 40 | | 1 | 125 600 | |
| <i>Closterium parvulum</i> | Nägeli 1849 | A | 2 cones | | cell: 10-12x90-110 | | | | 100 | 11 | | 1 | 3 166 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------|---------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Closterium strigosum</i> | Brébisson 1856 | A | 2 cones | 1 | cell: 10-12x200-250 | | | | 230 | 11.2 | | 1 | 7 549 | |
| <i>Closterium strigosum</i> | Brébisson 1856 | A | 2 cones | 2 | cell: 12-16x200-250 | | | | 210 | 14 | | 1 | 10 770 | |
| <i>Closterium spp.</i> | | A | 2 cones | 1 | cell: 10-11x150-250 | | | | 200 | 10 | | 1 | 5 233 | |
| <i>Closterium spp.</i> | | A | 2 cones | 2 | cell: 30x150-200 | | | | 170 | 30 | | 1 | 40 035 | |
| <i>Cosmarium spp.</i> | | A | flattened ellipsoid | 1 | cell: 20 | 20 | | | | 15 | 7 | 1 | 1 099 | |
| <i>Cosmarium spp.</i> | | A | flattened ellipsoid | 2 | cell: 35 | 35 | | | | 30 | 15 | 1 | 8 243 | |
| <i>Cosmarium spp.</i> | | A | flattened ellipsoid | 3 | cell: 70 | 70 | | | | 50 | 15 | 1 | 27 475 | |
| <i>Mougeotia spp.</i> | | A | cylinder | | cell: 9x75-95 | | | | 85 | 9 | | 1 | 5 405 | |
| <i>Staurastrum spp.</i> | | A | two truncated cones | | cell: 20 | | | | 10 | 14 | 11.2 | 1 | 2 503 | |
| Class Chlorophyceae | | | | | | | | | | | | | | |
| Order VOLVOCALES | | | | | | | | | | | | | | |
| <i>Chlamydocapsa ampla</i> | (Kützing) Fott 1972 | A | rotational ellipsoid | 1 | cell: 7x11 | | | | 11 | 7 | | 1 | 282 | |
| <i>Chlamydocapsa ampla</i> | (Kützing) Fott 1972 | A | rotational ellipsoid | 2 | cell: 7x11 | | | | 11 | 7 | | 4 | 1 128 | |
| <i>Chlamydomonas spp.</i> | | A | sphere | 1 | cell: 5-6 | | | | | 5.6 | | 1 | 92 | |
| <i>Chlamydomonas spp.</i> | | A | sphere | 2 | cell: 6-10 | | | | | 8.4 | | 1 | 310 | |
| <i>Chlamydomonas spp.</i> | | A | sphere | 3 | cell: 10-15 | | | | | 12.5 | | 1 | 1 022 | |
| <i>Chlamydomonas spp.</i> | | A | rotational ellipsoid | 4 | cell: 3-5x5-8 | | | | 6.5 | 4 | | 1 | 54 | |
| <i>Chlamydomonas spp.</i> | | A | rotational ellipsoid | 5 | cell: 5-10x12 | | | | 12 | 7.5 | | 1 | 353 | |
| <i>Chlamydomonas spp.</i> | | A | rotational ellipsoid | 6 | cell: 12x15 | | | | 15 | 12 | | 1 | 1 130 | |
| <i>Chlorogonium maximum</i> | Skuja 1939 | A | cone | 1 | cell: 4x75-85 | | | | 80 | 4 | | 1 | 335 | |
| <i>Chlorogonium maximum</i> | Skuja 1939 | A | cone | 2 | cell: 5-6x75-85 | | | | 80 | 5.6 | | 1 | 656 | |
| <i>Chlorogonium maximum</i> | Skuja 1939 | A | cone | 3 | cell: 8-9x85-95 | | | | 89.6 | 8.5 | | 1 | 1 694 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------|-------------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Chlorogonium minimum</i> | Skuja 1939 | A | cone | 1 | cell: 3-4x25-30 | | | | 28 | 3.5 | | 1 | 90 | * |
| <i>Chlorogonium minimum</i> | Skuja 1939 | A | cone | 2 | cell: 3x55-60 | | | | 58 | 3 | | 1 | 137 | * |
| <i>Eudorina elegans</i> | Ehrenberg 1831 | A | sphere | 1 | cell: 7-10 | | | | | 8.4 | | 1 | 310 | |
| <i>Eudorina elegans</i> | Ehrenberg 1831 | A | sphere | 2 | cell: 10-15 | | | | | 12.6 | | 1 | 1 047 | |
| <i>Eudorina unicocca</i> | G.M. Smith 1931 | A | sphere | 1 | cell: 8 | | | | | 8 | | 1 | 268 | |
| <i>Eudorina unicocca</i> | G.M. Smith 1931 | A | sphere | 2 | cell: 9 | | | | | 9 | | 1 | 382 | |
| <i>Eudorina unicocca</i> | G.M. Smith 1931 | A | sphere | 3 | cell: 10 | | | | | 10 | | 1 | 523 | |
| <i>Eudorina unicocca</i> | G.M. Smith 1931 | A | sphere | 4 | cell: 11 | | | | | 11 | | 1 | 697 | |
| <i>Eudorina unicocca</i> | G.M. Smith 1931 | A | sphere | 5 | cell: 12 | | | | | 12 | | 1 | 904 | |
| <i>Gonium pectorale</i> | O.F. Müller 1773 | A | sphere | 1 | cell: 5-6 | | | | | 5.5 | | 1 | 87 | |
| <i>Gonium pectorale</i> | O.F. Müller 1773 | A | sphere | 2 | cell: 5-6 | | | | | 5.5 | | 4 | 348 | |
| <i>Gonium pectorale</i> | O.F. Müller 1773 | A | sphere | 3 | cell: 5-6 | | | | | 5.5 | | 16 | 1 393 | |
| <i>Gonium pectorale</i> | O.F. Müller 1773 | A | sphere | 4 | cell: 9-10 | | | | | 9.5 | | 1 | 449 | |
| <i>Gonium pectorale</i> | O.F. Müller 1773 | A | sphere | 5 | cell: 9-10 | | | | | 9.5 | | 4 | 1 795 | |
| <i>Gonium pectorale</i> | O.F. Müller 1773 | A | sphere | 6 | cell: 9-10 | | | | | 9.5 | | 16 | 7 179 | |
| <i>Gonium sociale</i> | (Dujardin) Warming 1876 | A | sphere | 1 | cell: 7-9 | | | | | 8 | | 1 | 268 | |
| <i>Gonium sociale</i> | (Dujardin) Warming 1876 | A | sphere | 2 | cell: 7-9 | | | | | 8 | | 4 | 1 072 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 1 | cell: 8 | | | | | 8 | | 1 | 268 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 2 | cell: 8 | | | | | 8 | | 8 | 2 144 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 3 | cell: 8 | | | | | 8 | | 16 | 4 287 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 4 | cell: 9 | | | | | 9 | | 1 | 382 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 5 | cell: 9 | | | | | 9 | | 8 | 3 052 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 6 | cell: 9 | | | | | 9 | | 16 | 6 104 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 7 | cell: 10 | | | | | 10 | | 1 | 523 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 8 | cell: 10 | | | | | 10 | | 8 | 4 187 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 9 | cell: 10 | | | | | 10 | | 16 | 8 373 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 10 | cell: 11 | | | | | 11 | | 1 | 697 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 11 | cell: 11 | | | | | 11 | | 8 | 5 572 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 12 | cell: 11 | | | | | 11 | | 16 | 11 145 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 13 | cell: 12 | | | | | 12 | | 1 | 904 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 14 | cell: 12 | | | | | 12 | | 8 | 7 235 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 15 | cell: 12 | | | | | 12 | | 16 | 14 469 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 16 | cell: 13 | | | | | 13 | | 1 | 1 150 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 17 | cell: 13 | | | | | 13 | | 8 | 9 198 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 18 | cell: 13 | | | | | 13 | | 16 | 18 396 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 19 | cell: 14 | | | | | 14 | | 1 | 1 436 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 20 | cell: 14 | | | | | 14 | | 8 | 11 488 | |
| <i>Pandorina morum</i> | (O.F. Müller) Bory 1824 | A | sphere | 21 | cell: 14 | | | | | 14 | | 16 | 22 976 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|----------------------------------|------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Tetraspora lemmermannii</i> | Fott 1972 | A | sphere | | cell: 8-9 | | | | | 8.5 | | 1 | 321 | |
| Order CHLOROCOCCALES | | | | | | | | | | | | | | |
| <i>Actinastrum hantzschii</i> | Lagerheim 1882 | A | 2 cones | 1 | cell: 2-3x10-15 | | | | 12.5 | 2.5 | | 1 | 20 | |
| <i>Actinastrum hantzschii</i> | Lagerheim 1882 | A | 2 cones | 2 | cell: 2-3x15-20 | | | | 17.5 | 2.5 | | 1 | 29 | |
| <i>Actinastrum hantzschii</i> | Lagerheim 1882 | A | 2 cones | 3 | cell: 2-3x20-25 | | | | 22.5 | 2.5 | | 1 | 37 | |
| <i>Ankistrodesmus falcatus</i> | (Corda) Ralfs 1848 | A | 2 cones | 1 | cell: 2x35-45 | | | | 40 | 2 | | 1 | 42 | |
| <i>Ankistrodesmus falcatus</i> | (Corda) Ralfs 1848 | A | 2 cones | 2 | cell: 3x25-35 | | | | 28 | 3 | | 1 | 66 | |
| <i>Ankistrodesmus falcatus</i> | (Corda) Ralfs 1848 | A | 2 cones | 3 | cell: 4x30-35 | | | | 32.5 | 4 | | 1 | 136 | |
| <i>Ankistrodesmus fusiformis</i> | Corda | A | 2 cones | | cell: 2x35-45 | | | | 37.5 | 2 | | 1 | 39 | * |
| <i>Ankyra lanceolata</i> | (Korshikov) Fott 1957 | A | 2 cones | | cell: 5x25-35 | | | | 28 | 5 | | 1 | 183 | |
| <i>Choricystis chodatii</i> | (Jaag) Fott 1976 | A | rotational ellipsoid | 1 | cell: 1x1-2 | | | | 1.5 | 1 | | 1 | 0.8 | |
| <i>Choricystis chodatii</i> | (Jaag) Fott 1976 | A | rotational ellipsoid | 2 | cell: 1x1-2 | | | | 1.5 | 1 | | 4 | 3.1 | |
| <i>Choricystis chodatii</i> | (Jaag) Fott 1976 | A | rotational ellipsoid | 3 | cell: 1x1-2 | | | | 1.5 | 1 | | 16 | 13 | |
| <i>Choricystis coccoides</i> | (Rodhe & Skuja) Fott 1976 | A | rotational ellipsoid | 1 | cell: 3x8 | | | | 8 | 3 | | 1 | 38 | |
| <i>Choricystis coccoides</i> | (Rodhe & Skuja) Fott 1976 | A | rotational ellipsoid | 2 | cell: 3x8 | | | | 8 | 3 | | 4 | 151 | |
| <i>Choricystis coccoides</i> | (Rodhe & Skuja) Fott 1976 | A | rotational ellipsoid | 3 | cell: 3x8 | | | | 8 | 3 | | 16 | 603 | |
| <i>Closteriopsis longissima</i> | (Lemmermann) Lemmermann 1899 | A | 2 cones | | cell: 5-6x80-100 | | | | 90 | 5.5 | | 1 | 712 | |
| <i>Coelastrum astroideum</i> | De Notaris 1867 | A | sphere | 1 | cell: 5 | | | | | 5 | | 1 | 65 | |
| <i>Coelastrum astroideum</i> | De Notaris 1867 | A | sphere | 2 | cell: 6 | | | | | 6 | | 1 | 113 | |
| <i>Coelastrum astroideum</i> | De Notaris 1867 | A | sphere | 3 | cell: 8 | | | | | 8 | | 1 | 268 | |
| <i>Coelastrum microporum</i> | Nägeli in A. Braun 1855 | A | sphere | | cell: 7-8 | | | | | 7.5 | | 1 | 221 | |
| <i>Coelastrum reticulatum</i> | (Dangeard) Senn 1899 | A | sphere | | cell: 7 | | | | | 7 | | 1 | 180 | |
| <i>Coelastrum sphaericum</i> | Nägeli 1849 | A | sphere | | cell: 12 | | | | | 12 | | 1 | 904 | |
| <i>Crucigenia quadrata</i> | Morren 1830 | A | sphere | 1 | cell: 2-3 | | | | | 2.5 | | 4 | 33 | |
| <i>Crucigenia quadrata</i> | Morren 1830 | A | sphere | 2 | cell: 4-5 | | | | | 4.5 | | 4 | 191 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|--------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Crucigenia quadrata</i> | Morren 1830 | A | sphere | 3 | cell: 5-6 | | | | | 5.5 | | 4 | 348 | |
| <i>Crucigenia quadrata</i> | Morren 1830 | A | sphere | 4 | cell: 6-7 | | | | | 6.5 | | 4 | 575 | |
| <i>Crucigenia quadrata</i> | Morren 1830 | A | sphere | 5 | cell: 8-9 | | | | | 8.5 | | 4 | 1 286 | |
| <i>Crucigenia tetrapedia</i> | (Kirchner) W. & G.S. West 1902 | A | parallelepiped | | cell: 5x5 | 5 | | 5 | 2.5 | | | 4 | 250 | |
| <i>Crucigeniella apiculata</i> | (Lemmermann) Komárek 1974 | A | rotational ellipsoid | | cell: 5-6x6-8 | | | | 7 | 5.5 | | 4 | 443 | |
| <i>Crucigeniella rectangularis</i> | (Nägeli) Komárek 1974 | A | rotational ellipsoid | | cell: 4-5x5-7 | | | | 6 | 4.5 | | 4 | 254 | |
| <i>Dactylosphaerium jurisii</i> | Hindák 1977 | A | sphere | | cell: 4-5 | | | | | 4.5 | | 1 | 48 | |
| <i>Desmodesmus abundans</i> | (Kirchner) Hegewald 2001 | A | rotational ellipsoid | 1 | cell: 1.5x5-6 | | | | 5.5 | 1.5 | | 4 | 26 | |
| <i>Desmodesmus abundans</i> | (Kirchner) Hegewald 2001 | A | rotational ellipsoid | 2 | cell: 2x6-8 | | | | 7 | 2 | | 4 | 59 | |
| <i>Desmodesmus abundans</i> | (Kirchner) Hegewald 2001 | A | rotational ellipsoid | 3 | cell: 2.5x8-11 | | | | 9.5 | 2.5 | | 4 | 124 | |
| <i>Desmodesmus armatus</i> v. <i>armatus</i> | (R. Chodat) Hegewald 2000 | A | rotational ellipsoid | 1 | cell: 2.5-3x7-10 | | | | 8.5 | 2.8 | | 4 | 139 | |
| <i>Desmodesmus armatus</i> v. <i>armatus</i> | (R. Chodat) Hegewald 2000 | A | rotational ellipsoid | 2 | cell: 3-3.5x8-12 | | | | 10 | 3.3 | | 4 | 221 | |
| <i>Desmodesmus armatus</i> v. <i>armatus</i> | (R. Chodat) Hegewald 2000 | A | rotational ellipsoid | 3 | cell: 4-5x12-16 | | | | 14 | 4.5 | | 4 | 593 | |
| <i>Desmodesmus armatus</i> v. <i>armatus</i> | (R. Chodat) Hegewald 2000 | A | rotational ellipsoid | 4 | cell: 8-9x16-18 | | | | 17 | 8.3 | | 4 | 2 452 | |
| <i>Desmodesmus armatus</i> v. <i>bicaudatus</i> | (Guglielmetti) Hegewald 2000 | A | rotational ellipsoid | | cell: 3x10-15 | | | | 12.5 | 3 | | 4 | 236 | |
| <i>Desmodesmus armatus</i> v. <i>spinus</i> | (Fritsch & Rich) Hegewald 2000 | A | rotational ellipsoid | | cell: 4-7x10-15 | | | | 12.5 | 5.5 | | 4 | 792 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|---|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Desmodesmus bicellularis</i> | (R. Chodat) An, Friedl & Hegewald 1999 | A | rotational ellipsoid | | cell: 2-3x4-6 | | | | 5 | 2.5 | | 2 | 33 | |
| <i>Desmodesmus brasiliensis</i> | (Bohlin) Hegewald 2000 | A | rotational ellipsoid | | cell: 2.5-3x10-12 | | | | 11 | 2.8 | | 4 | 181 | |
| <i>Desmodesmus communis</i> | (Hegewald) Hegewald 2000 | A | rotational ellipsoid | 1 | cell: 3-4x10-12 | | | | 11 | 3.5 | | 4 | 282 | |
| <i>Desmodesmus communis</i> | (Hegewald) Hegewald 2000 | A | rotational ellipsoid | 2 | cell: 4-6x10-13 | | | | 12 | 5 | | 4 | 628 | |
| <i>Desmodesmus communis</i> | (Hegewald) Hegewald 2000 | A | rotational ellipsoid | 3 | cell: 4-6x13-17 | | | | 15 | 5 | | 4 | 785 | |
| <i>Desmodesmus communis</i> | (Hegewald) Hegewald 2000 | A | rotational ellipsoid | 4 | cell: 7x17-20 | | | | 18.5 | 7 | | 4 | 1 898 | |
| <i>Desmodesmus costato-granulatus</i> | (Skuja) Hegewald 2000 | A | rotational ellipsoid | | cell: 2x6-8 | | | | 7 | 2 | | 4 | 59 | |
| <i>Desmodesmus denticulatus</i> v. <i>denticulatus</i> | (Lagerheim 1882) An, Friedl & Hegewald 1999 | A | rotational ellipsoid | 1 | cell: 3-4x10-15 | | | | 12.5 | 3.5 | | 4 | 321 | |
| <i>Desmodesmus denticulatus</i> v. <i>denticulatus</i> | (Lagerheim 1882) An, Friedl & Hegewald 1999 | A | rotational ellipsoid | 2 | cell: 4-5x10-15 | | | | 12.5 | 4.5 | | 4 | 530 | |
| <i>Desmodesmus denticulatus</i> v. <i>denticulatus</i> | (Lagerheim 1882) An, Friedl & Hegewald 1999 | A | rotational ellipsoid | 3 | cell: 5-6x12-14 | | | | 13 | 5.5 | | 4 | 823 | |
| <i>Desmodesmus denticulatus</i> v. <i>denticulatus</i> | (Lagerheim 1882) An, Friedl & Hegewald 1999 | A | rotational ellipsoid | 4 | cell: 6-8x13-15 | | | | 14 | 7 | | 4 | 1 436 | |
| <i>Desmodesmus denticulatus</i> v. <i>denticulatus</i> | (Lagerheim 1882) An, Friedl & Hegewald 1999 | A | rotational ellipsoid | 5 | cell: 8-10x12-15 | | | | 13.5 | 9 | | 4 | 2 289 | |
| <i>Desmodesmus denticulatus</i> v. <i>linearis</i> | (Hansgirg) Hegewald 2000 | A | rotational ellipsoid | | cell: 5-6x10-12 | | | | 11 | 5.5 | | 4 | 697 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|-----------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Desmodesmus dispar</i> | (Brébisson) Hegewald 2000 | A | rotational ellipsoid | | cell: 5-7x12-14 | | | | 13 | 6 | | 4 | 980 | |
| <i>Desmodesmus hystrix</i> | (Lagerheim) Hegewald 2000 | A | rotational ellipsoid | | cell: 2.5-3x10-12 | | | | 11.2 | 2.8 | | 4 | 184 | |
| <i>Desmodesmus intermedius</i> | (R. Chodat) Hegewald 2000 | A | rotational ellipsoid | | cell: 1.5-2x5-8 | | | | 6.5 | 1.8 | | 4 | 44 | |
| <i>Desmodesmus maximus</i> | (W. & G.S. West) Hegewald 2000 | A | rotational ellipsoid | 1 | cell: 2-3x8-12 | | | | 10 | 2.5 | | 4 | 131 | |
| <i>Desmodesmus maximus</i> | (W. & G.S. West) Hegewald 2000 | A | rotational ellipsoid | 2 | cell: 4-5x8-12 | | | | 10 | 4.5 | | 4 | 424 | |
| <i>Desmodesmus maximus</i> | (W. & G.S. West) Hegewald 2000 | A | rotational ellipsoid | 3 | cell: 4-5x12-15 | | | | 13.5 | 4.5 | | 4 | 572 | |
| <i>Desmodesmus maximus</i> | (W. & G.S. West) Hegewald 2000 | A | rotational ellipsoid | 4 | cell: 6-7x15-18 | | | | 16.5 | 6.5 | | 4 | 1 459 | |
| <i>Desmodesmus maximus</i> | (W. & G.S. West) Hegewald 2000 | A | rotational ellipsoid | 5 | cell: 8-9x12-15 | | | | 13.5 | 8.5 | | 4 | 2 042 | |
| <i>Desmodesmus maximus</i> | (W. & G.S. West) Hegewald 2000 | A | rotational ellipsoid | 6 | cell: 8-9x18-22 | | | | 20 | 8.5 | | 4 | 3 025 | |
| <i>Desmodesmus maximus</i> | (W. & G.S. West) Hegewald 2000 | A | rotational ellipsoid | 7 | cell: 9-10x23-27 | | | | 25 | 9.5 | | 4 | 4 723 | |
| <i>Desmodesmus maximus</i> | (W. & G.S. West) Hegewald 2000 | A | rotational ellipsoid | 8 | cell: 10-12x28-30 | | | | 29 | 10.5 | | 4 | 6 693 | |
| <i>Desmodesmus serratus</i> | Corda, An, Friedl & Hegewald 1999 | A | rotational ellipsoid | | cell: 4-5x12-15 | | | | 13.5 | 4.5 | | 4 | 572 | |
| <i>Desmodesmus opoliensis</i> v. <i>opoliensis</i> | (P. Richter) Hegewald 2000 | A | rotational ellipsoid | 1 | cell: 3-5x12-14 | | | | 13 | 4 | | 4 | 435 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|--|--------------------------------|-----------------|----------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Desmodesmus opoliensis</i> v. <i>opoliensis</i> | (P. Richter) Hegewald 2000 | A | rotational ellipsoid | 2 | cell: 6-7x15-20 | | | | 17.5 | 6.5 | | 4 | 1 548 | |
| <i>Desmodesmus protuberans</i> | (Fritsch & Rich) Hegewald 2000 | A | rotational ellipsoid | | cell: 6-8x12-16 | | | | 14 | 7 | | 4 | 1 436 | |
| <i>Desmodesmus spinosus</i> | (R. Chodat) Hegewald 2000 | A | rotational ellipsoid | | cell: 4-5x8-12 | | | | 10.5 | 4.5 | | 4 | 445 | |
| <i>Dictyosphaerium ehrenbergianum</i> | Nägeli 1849 | A | rotational ellipsoid | 1 | cell: 3-4x4-7 | | | | 5.5 | 3.5 | | 4 | 141 | |
| <i>Dictyosphaerium ehrenbergianum</i> | Nägeli 1849 | A | rotational ellipsoid | 2 | cell: 4-5x5-7 | | | | 6 | 4.5 | | 4 | 254 | |
| <i>Dictyosphaerium elegans</i> | Bachmann 1913 | A | rotational ellipsoid | | cell: 3x5 | | | | 5 | 3 | | 4 | 94 | |
| <i>Dictyosphaerium pulchellum</i> | H.C. Wood 1872 | A | sphere | 1 | cell: 3-4 | | | | | 3.5 | | 4 | 90 | |
| <i>Dictyosphaerium pulchellum</i> | H.C. Wood 1872 | A | sphere | 2 | cell: 4-5 | | | | | 4.5 | | 4 | 191 | |
| <i>Dictyosphaerium pulchellum</i> | H.C. Wood 1872 | A | sphere | 3 | cell: 5-6 | | | | | 5.5 | | 4 | 348 | |
| <i>Dictyosphaerium pulchellum</i> | H.C. Wood 1872 | A | sphere | 4 | cell: 6-7 | | | | | 6.5 | | 4 | 575 | |
| <i>Dictyosphaerium pulchellum</i> | H.C. Wood 1872 | A | sphere | 5 | cell: 7-8 | | | | | 7.5 | | 4 | 883 | |
| <i>Dictyosphaerium subsolitarium</i> | Van Goor 1924 | A | sphere | | cell: 3 | | | | | 3 | | 4 | 57 | |
| <i>Franceia ovalis</i> | (Francé) Lemmermann 1898 | A | rotational ellipsoid | | cell: 8-9x12-16 | | | | 14 | 8.5 | | 1 | 529 | |
| <i>Golenkinia radiata</i> | R. Chodat 1894 | A | sphere | | cell: 10-15 | | | | | 12.5 | | 1 | 1 022 | |
| <i>Granulocystopsis pseudocoronata</i> | (Korshikov) Hindák 1977 | A | rotational ellipsoid | | cell: 5-9x9-14 | | | | 12.5 | 7 | | 1 | 321 | |
| <i>Kirchneriella contorta</i> | (Schmidle) Bohlin 1897 | A | 2 cones | | cell: 2.5-3x10-12 | | | | 11.2 | 2.8 | | 1 | 23 | |
| <i>Kirchneriella lunaris</i> | (Kirchner) Möbius 1894 | A | 2 cones | | cell: 7x12-16 | | | | 14 | 7 | | 1 | 180 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|---|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Lagerheimia ciliata</i> | (Lagerheim) R. Chodat 1895 | A | rotational ellipsoid | | cell: 8-9x12-14 | | | | 12.6 | 8.5 | | 1 | 476 | |
| <i>Lagerheimia citrifomis</i> | (Snow) Collins 1909 | A | rotational ellipsoid | | cell: 12-16x18-22 | | | | 19.6 | 14 | | 1 | 2 010 | |
| <i>Lagerheimia genevensis</i> | (R. Chodat) R. Chodat 1895 | A | rotational ellipsoid | | cell: 3x5-6 | | | | 5.5 | 3 | | 1 | 26 | |
| <i>Lagerheimia longiseta</i> v. <i>longiseta</i> | (Lemmermann) Wille 1909 | A | rotational ellipsoid | | cell: 8-9x10-12 | | | | 11.2 | 8.5 | | 1 | 423 | |
| <i>Lagerheimia subsalsa</i> | Lemmermann 1898 | A | rotational ellipsoid | 1 | cell: 3x6 | | | | 6 | 3 | | 1 | 28 | |
| <i>Lagerheimia subsalsa</i> | Lemmermann 1898 | A | rotational ellipsoid | 2 | cell: 4-5x7-9 | | | | 8 | 4.5 | | 1 | 85 | |
| <i>Lagerheimia wratislaviensis</i> | Schröder 1897 | A | rotational ellipsoid | 1 | cell: 3x4 | | | | 4 | 3 | | 1 | 19 | |
| <i>Lagerheimia wratislaviensis</i> | Schröder 1897 | A | rotational ellipsoid | 2 | cell: 3x5-6 | | | | 5.5 | 3 | | 1 | 26 | |
| <i>Micractinium pusillum</i> | Fresenius 1858 | A | sphere | 1 | cell: 3-4 | | | | | 3.5 | | 1 | 22 | |
| <i>Micractinium pusillum</i> | Fresenius 1858 | A | sphere | 2 | cell: 5-6 | | | | | 5.5 | | 1 | 87 | |
| <i>Monoraphidium arcuatum</i> | (Korshikov) Hindák 1970 | A | 2 cones | 1 | cell: 1.5-2x15-20 | | | | 17.5 | 1.8 | | 1 | 14 | |
| <i>Monoraphidium arcuatum</i> | (Korshikov) Hindák 1970 | A | 2 cones | 2 | cell: 1.5-2x25-30 | | | | 27.5 | 1.8 | | 1 | 22 | |
| <i>Monoraphidium arcuatum</i> | (Korshikov) Hindák 1970 | A | 2 cones | 3 | cell: 2x35-45 | | | | 40 | 2 | | 1 | 42 | |
| <i>Monoraphidium arcuatum</i> | (Korshikov) Hindák 1970 | A | 2 cones | 4 | cell: 4-4.5x50-60 | | | | 55 | 4.3 | | 1 | 266 | |
| <i>Monoraphidium contortum</i> | (Thuret <i>in</i> Brébisson) Komárková-Legnerová 1969 | A | 2 cones | 1 | cell: 1.2-1.5x15-20 | | | | 17.5 | 1.3 | | 1 | 7.7 | |
| <i>Monoraphidium contortum</i> | (Thuret <i>in</i> Brébisson) Komárková-Legnerová 1969 | A | 2 cones | 2 | cell: 1.5-2x20-30 | | | | 25 | 1.8 | | 1 | 20 | |
| <i>Monoraphidium contortum</i> | (Thuret <i>in</i> Brébisson) Komárková-Legnerová 1969 | A | 2 cones | 3 | cell: 2-3x20-30 | | | | 25 | 2.5 | | 1 | 41 | |
| <i>Monoraphidium contortum</i> | (Thuret <i>in</i> Brébisson) Komárková-Legnerová 1969 | A | 2 cones | 4 | cell: 3-4x20-30 | | | | 25 | 3.5 | | 1 | 80 | |
| <i>Monoraphidium contortum</i> | (Thuret <i>in</i> Brébisson) Komárková-Legnerová 1969 | A | 2 cones | 5 | cell: 4-5x30-40 | | | | 35 | 4.5 | | 1 | 185 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-----------------------------------|-------------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Monoraphidium convolutum</i> | (Corda) Komárková-Legnerová 1969 | A | 2 cones | 1 | cell: 1.5-2x10-12 | | | | 11 | 1.8 | | 1 | 8.8 | |
| <i>Monoraphidium convolutum</i> | (Corda) Komárková-Legnerová 1969 | A | 2 cones | 2 | cell: 3x7-8 | | | | 7.5 | 3 | | 1 | 18 | |
| <i>Monoraphidium convolutum</i> | (Corda) Komárková-Legnerová 1969 | A | 2 cones | 3 | cell: 3-4x8-9 | | | | 8.5 | 3.5 | | 1 | 27 | |
| <i>Monoraphidium convolutum</i> | (Corda) Komárková-Legnerová 1969 | A | 2 cones | 4 | cell: 4-5x9-12 | | | | 10.5 | 4.5 | | 1 | 56 | |
| <i>Monoraphidium griffithii</i> | (Berkeley) Komárková-Legnerová 1969 | A | 2 cones | 1 | cell: 3-4x30-35 | | | | 32.5 | 3.5 | | 1 | 104 | |
| <i>Monoraphidium griffithii</i> | (Berkeley) Komárková-Legnerová 1969 | A | 2 cones | 2 | cell: 3-4x60-80 | | | | 70 | 3.5 | | 1 | 224 | |
| <i>Monoraphidium komarkovae</i> | Nygaard 1979 | A | 2 cones | 1 | cell: 1.5x30-50 | | | | 40 | 1.5 | | 1 | 24 | |
| <i>Monoraphidium komarkovae</i> | Nygaard 1979 | A | 2 cones | 2 | cell: 1.5x50-80 | | | | 65 | 1.5 | | 1 | 38 | |
| <i>Monoraphidium komarkovae</i> | Nygaard 1979 | A | 2 cones | 3 | cell: 2-3x30-50 | | | | 40 | 2.5 | | 1 | 65 | |
| <i>Monoraphidium komarkovae</i> | Nygaard 1979 | A | 2 cones | 4 | cell: 2-3x50-80 | | | | 70 | 2.5 | | 1 | 114 | |
| <i>Monoraphidium minutum</i> | (Nägeli) Komárková-Legnerová 1969 | A | 2 cones | 1 | cell: 1-2x5-7 | | | | 6 | 1.5 | | 1 | 3.5 | |
| <i>Monoraphidium minutum</i> | (Nägeli) Komárková-Legnerová 1969 | A | 2 cones | 2 | cell: 2-3x7-10 | | | | 8.5 | 2.5 | | 1 | 14 | |
| <i>Monoraphidium minutum</i> | (Nägeli) Komárková-Legnerová 1969 | A | 2 cones | 3 | cell: 3x10-20 | | | | 15 | 2.8 | | 1 | 31 | |
| <i>Monoraphidium mirabile</i> | (W. & G.S. West) Pankow 1976 | A | 2 cones | 1 | cell: 2.5x85-95 | | | | 90 | 2.5 | | 1 | 147 | |
| <i>Monoraphidium mirabile</i> | (W. & G.S. West) Pankow 1976 | A | 2 cones | 2 | cell: 3-3.5x55-65 | | | | 60 | 3.2 | | 1 | 161 | |
| <i>Monoraphidium spp.</i> | | A | 2 cones | 1 | cell: 1-2x8-12 | | | | 10 | 1.5 | | 1 | 5.9 | |
| <i>Monoraphidium spp.</i> | | A | 2 cones | 2 | cell: 1x50-60 | | | | 55 | 1 | | 1 | 14 | |
| <i>Nephrochlamys subsolitaria</i> | (G.S. West) Korshikov 1953 | A | rotational ellipsoid | | cell: 2.5-3x5-7 | | | | 6 | 2.8 | | 1 | 25 | |
| <i>Oocystis borgei</i> | Snow 1903 | A | rotational ellipsoid | 1 | cell: 6-8x8-12 | | | | 10 | 7 | | 1 | 256 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|----------------------------|---------------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Oocystis borgei</i> | Snow 1903 | A | rotational ellipsoid | 2 | cell: 8-10x12-15 | | | | 13.5 | 9 | | 1 | 572 | |
| <i>Oocystis borgei</i> | Snow 1903 | A | rotational ellipsoid | 3 | cell: 10-12x15-17 | | | | 16 | 11 | | 1 | 1 013 | |
| <i>Oocystis borgei</i> | Snow 1903 | A | rotational ellipsoid | 4 | cell: 12-14x17-20 | | | | 18.5 | 13 | | 1 | 1 636 | |
| <i>Oocystis lacustris</i> | R. Chodat 1897 | A | rotational ellipsoid | 1 | cell: 6-8x10-12 | | | | 11 | 7 | | 1 | 282 | |
| <i>Oocystis lacustris</i> | R. Chodat 1897 | A | rotational ellipsoid | 2 | cell: 8-10x12-15 | | | | 13.5 | 9 | | 1 | 572 | |
| <i>Oocystis lacustris</i> | R. Chodat 1897 | A | rotational ellipsoid | 3 | cell: 8-10x20-30 | | | | 25 | 9.6 | | 1 | 1 206 | |
| <i>Oocystis lacustris</i> | R. Chodat 1897 | A | rotational ellipsoid | 4 | cell: 10-12x15-20 | | | | 17.5 | 11 | | 1 | 1 108 | |
| <i>Oocystis lacustris</i> | R. Chodat 1897 | A | rotational ellipsoid | 5 | cell: 12-14x25-35 | | | | 32.5 | 13 | | 1 | 2 874 | |
| <i>Oocystis lacustris</i> | R. Chodat 1897 | A | rotational ellipsoid | 6 | cell: 20-22x25-30 | | | | 27.5 | 21 | | 1 | 6 347 | |
| <i>Oocystis parva</i> | W. & G.S. West 1898 | A | rotational ellipsoid | | cell: 5-7x8-12 | | | | 10 | 6 | | 1 | 188 | |
| <i>Oocystis pelagica</i> | Lemmermann 1901 | A | rotational ellipsoid | | cell: 7-9x8-12 | | | | 10 | 8 | | 1 | 335 | |
| <i>Oocystis rhomboidea</i> | Fott 1933 | A | rotational ellipsoid | | cell:3-4x8-10 | | | | 9 | 3.5 | | 1 | 58 | |
| <i>Oocystis solitaria</i> | Wittrock in Wittrock & Nordstedt 1879 | A | rotational ellipsoid | 1 | cell: 6-8x10-13 | | | | 11.5 | 7 | | 1 | 295 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|--|---------------------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Oocystis solitaria</i> | Wittrock in Wittrock & Nordstedt 1879 | A | rotational ellipsoid | 2 | cell: 8-10x13-15 | | | | 14 | 9 | | 1 | 593 | |
| <i>Oocystis solitaria</i> | Wittrock in Wittrock & Nordstedt 1879 | A | rotational ellipsoid | 3 | cell: 10-12x15-20 | | | | 17.5 | 11 | | 1 | 1 108 | |
| <i>Oocystis solitaria</i> | Wittrock in Wittrock & Nordstedt 1879 | A | rotational ellipsoid | 4 | cell: 12-15x17-22 | | | | 19.5 | 13.5 | | 1 | 1 860 | |
| <i>Oocystis solitaria</i> | Wittrock in Wittrock & Nordstedt 1879 | A | rotational ellipsoid | 5 | cell: 15-20x22-25 | | | | 23.5 | 17.5 | | 1 | 3 766 | |
| <i>Oocystis solitaria</i> | Wittrock in Wittrock & Nordstedt 1879 | A | rotational ellipsoid | 6 | cell: 20-25x25-30 | | | | 27.5 | 22.5 | | 1 | 7 286 | |
| <i>Oocystis submarina</i> | Lagerheim 1886 | A | rotational ellipsoid | 1 | cell: 4-5x6-8 | | | | 7 | 4.5 | | 1 | 74 | |
| <i>Oocystis submarina</i> | Lagerheim 1886 | A | rotational ellipsoid | 2 | cell: 5-6x8-10 | | | | 9 | 5.5 | | 1 | 142 | |
| <i>Oocystis submarina</i> | Lagerheim 1886 | A | rotational ellipsoid | 3 | cell: 6-8x10-12 | | | | 11 | 7 | | 1 | 282 | |
| <i>Oocystis spp.</i> | | A | rotational ellipsoid | 1 | cell: 3-4x7 | | | | 7 | 3.5 | | 1 | 45 | |
| <i>Oocystis spp.</i> | | A | rotational ellipsoid | 2 | cell: 4-5x7-8 | | | | 7.5 | 4.5 | | 1 | 79 | |
| <i>Oocystis spp.</i> | | A | rotational ellipsoid | 3 | cell: 5-6x8-12 | | | | 10 | 5.5 | | 1 | 158 | |
| <i>Oocystis spp.</i> | | A | rotational ellipsoid | 4 | cell: 6-8x12-17 | | | | 14.5 | 7 | | 1 | 372 | |
| <i>Pediastrum angulosum v. angulosum</i> | (Ehrenberg) Meneghini 1840 | A | cylinder | | coen.: 6-10x30-50 | | | | 8 | 40 | | 1 | 10 048 | |
| <i>Pediastrum biradiatum</i> | Meyen 1829 | A | cylinder | 1 | coen.: 10-12x30-50 | | | | 11.2 | 40 | | 1 | 14 067 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|-------------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Pediastrum biradiatum</i> | Meyen 1829 | A | cylinder | 2 | coen.: 14-18x50-80 | | | | 16 | 65 | | 1 | 53 066 | |
| <i>Pediastrum boryanum</i> v. <i>boryanum</i> | (Turpin) Meneghini 1840 | A | cylinder | 1 | coen.: <5x18-25 | | | | 5 | 21.5 | | 1 | 1 814 | |
| <i>Pediastrum boryanum</i> v. <i>boryanum</i> | (Turpin) Meneghini 1840 | A | cylinder | 2 | coen.: 5-7x25-35 | | | | 6 | 30 | | 1 | 4 239 | |
| <i>Pediastrum boryanum</i> v. <i>boryanum</i> | (Turpin) Meneghini 1840 | A | cylinder | 3 | coen.: 7-10x35-45 | | | | 8.5 | 40 | | 1 | 10 676 | |
| <i>Pediastrum boryanum</i> v. <i>boryanum</i> | (Turpin) Meneghini 1840 | A | cylinder | 4 | coen.: 10-15x45-65 | | | | 12.5 | 55 | | 1 | 29 683 | |
| <i>Pediastrum boryanum</i> v. <i>boryanum</i> | (Turpin) Meneghini 1840 | A | cylinder | 5 | coen.: 15-20x65-75 | | | | 17.5 | 70 | | 1 | 67 314 | |
| <i>Pediastrum boryanum</i> v. <i>boryanum</i> | (Turpin) Meneghini 1840 | A | cylinder | 6 | coen.: 20-25x75-100 | | | | 22.5 | 87.5 | | 1 | 135 229 | |
| <i>Pediastrum boryanum</i> v. <i>longicorne</i> | Reinsch 1867 | A | cylinder | | coen.: 15-20x65-75 | | | | 17.5 | 70 | | 1 | 67 314 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 1 | coen.: <5x30-40 | | | | 5 | 35 | | 1 | 4 808 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 2 | coen.: 5-8x30-40 | | | | 6.5 | 35 | | 1 | 6 251 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 3 | coen.: 8-10x30-40 | | | | 9 | 35 | | 1 | 8 655 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 4 | coen.: 10-12x30-40 | | | | 11 | 35 | | 1 | 10 578 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 5 | coen.: 5-8x40-60 | | | | 6.5 | 50 | | 1 | 12 756 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 6 | coen.: 8-10x40-60 | | | | 9 | 50 | | 1 | 17 663 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 7 | coen.: 10-12x40-60 | | | | 11 | 50 | | 1 | 21 588 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 8 | coen.: 8-10x60-80 | | | | 9 | 70 | | 1 | 34 619 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 9 | coen.: 10-12x60-80 | | | | 11 | 70 | | 1 | 42 312 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 10 | coen.: 10-12x80-100 | | | | 11 | 90 | | 1 | 69 944 | |
| <i>Pediastrum duplex</i> v. <i>duplex</i> | Meyen 1829 | A | cylinder | 11 | coen.: 12-15x80-100 | | | | 13.5 | 90 | | 1 | 85 840 | |
| <i>Pediastrum integrum</i> | Nägeli 1849 | A | cylinder | | coen.: 12-15x50-80 | | | | 13.5 | 65 | | 1 | 44 774 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---|--|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Pediastrum kawraiskyi</i> | Schmidle 1897 | A | cylinder | | coen.: 15-20x60-80 | | | | 17.5 | 70 | | 1 | 67 314 | |
| <i>Pediastrum simplex</i> | Meyen 1829 | A | cylinder | 1 | coen.: 15-20x50-70 | | | | 17.5 | 60 | | 1 | 49 455 | |
| <i>Pediastrum simplex</i> | Meyen 1829 | A | cylinder | 2 | coen.: 25-30x70-90 | | | | 27.5 | 80 | | 1 | 138 160 | |
| <i>Pediastrum tetras</i> | (Ehrenberg) Ralfs 1844 | A | cylinder | 1 | coen.: 4-6x15-20 | | | | 5 | 17.5 | | 1 | 1 202 | |
| <i>Pediastrum tetras</i> | (Ehrenberg) Ralfs 1844 | A | cylinder | 2 | coen.: 4-6x20-35 | | | | 5 | 27.5 | | 1 | 2 968 | |
| <i>Pediastrum tetras</i> | (Ehrenberg) Ralfs 1844 | A | cylinder | 3 | coen.: 4-6x35-50 | | | | 5 | 42.5 | | 1 | 7 090 | |
| <i>Pediastrum tetras</i> | (Ehrenberg) Ralfs 1844 | A | cylinder | 4 | coen.: 6-10x15-20 | | | | 8 | 17.5 | | 1 | 1 923 | |
| <i>Pediastrum tetras</i> | (Ehrenberg) Ralfs 1844 | A | cylinder | 5 | coen.: 6-10x20-35 | | | | 8 | 27.5 | | 1 | 4 749 | |
| <i>Pediastrum tetras</i> | (Ehrenberg) Ralfs 1844 | A | cylinder | 6 | coen.: 10-12x20-35 | | | | 11 | 27.5 | | 1 | 6 530 | |
| <i>Planctococcus sphaerocystiformis</i> | Korshikov 1953 | A | sphere | | cell: 6-8 | | | | | 7 | | 1 | 180 | |
| <i>Quadricoccus ellipticus</i> | Hortobágyi 1973 | A | rotational ellipsoid | 1 | cell: 3x7 | | | | 7 | 3 | | 1 | 33 | |
| <i>Quadricoccus ellipticus</i> | Hortobágyi 1973 | A | rotational ellipsoid | 2 | cell: 4x8-9 | | | | 8.3 | 4 | | 1 | 69 | |
| <i>Quadricoccus verrucosus</i> | Fott 1948 | A | rotational ellipsoid | | cell: 3x6 | | | | 6 | 3 | | 1 | 28 | * |
| <i>Raphidocelis sigmoidea</i> | Hindak 1977 | A | 2 cones | | cell: 2-4x8-12 | | | | 10 | 3 | | 1 | 24 | * |
| <i>Scenedesmus acuminatus</i> | (Lagerheim) R. Chodat 1902 | A | 2 cones | 1 | cell: 2-4x10-15 | | | | 12.5 | 3 | | 4 | 118 | |
| <i>Scenedesmus acuminatus</i> | (Lagerheim) R. Chodat 1902 | A | 2 cones | 2 | cell: 2-4x15-25 | | | | 20 | 3 | | 4 | 188 | |
| <i>Scenedesmus acuminatus</i> | (Lagerheim) R. Chodat 1902 | A | 2 cones | 3 | cell: 4-5x10-15 | | | | 12.5 | 5 | | 4 | 265 | |
| <i>Scenedesmus acuminatus</i> | (Lagerheim) R. Chodat 1902 | A | 2 cones | 4 | cell: 5-6x15-25 | | | | 20 | 5.5 | | 4 | 633 | |
| <i>Scenedesmus acuminatus</i> | (Lagerheim) R. Chodat 1902 | A | 2 cones | 5 | cell: 6-7x15-25 | | | | 20 | 6.5 | | 4 | 884 | |
| <i>Scenedesmus acutiformis</i> | Schröder 1897 | A | 2 cones | | cell: 3-4x10-12 | | | | 11 | 3.5 | | 4 | 141 | |
| <i>Scenedesmus apiculatus</i> | (W. & G.S. West) R. Chodat 1926 nom. illeg. | A | 2 cones | | cell: 6-8x15-25 | | | | 20 | 7 | | 4 | 1 026 | |
| <i>Scenedesmus arcuatus v. arcuatus</i> | (Lemmermann) Lemmermann 1899 | A | 2 cones | 1 | cell: 5-7x8-13 | | | | 10.5 | 6 | | 4 | 396 | |
| <i>Scenedesmus arcuatus v. arcuatus</i> | (Lemmermann) Lemmermann 1899 | A | 2 cones | 2 | cell: 5-7x13-18 | | | | 15.5 | 6 | | 4 | 584 | |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment | |
|--|---|-----------------|----------------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|--|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | | |
| <i>Scenedesmus caudato-aculeolatus</i> | Chodat 1926 | A | rotational ellipsoid | 1 | cell: 2-4x8-13 | | | | 11.2 | 3 | | 4 | 211 | |
| <i>Scenedesmus ellipticus</i> | Corda 1835 | A | rotational ellipsoid | 1 | cell: 2x4 | | | | 4 | 2 | | 4 | 33 | |
| <i>Scenedesmus ellipticus</i> | Corda 1835 | A | rotational ellipsoid | 2 | cell: 2-4x7-10 | | | | 8.5 | 3 | | 4 | 160 | |
| <i>Scenedesmus ellipticus</i> | Corda 1835 | A | rotational ellipsoid | 3 | cell: 4-6x10-15 | | | | 12.5 | 5 | | 4 | 654 | |
| <i>Scenedesmus ellipticus</i> | Corda 1835 | A | rotational ellipsoid | 4 | cell: 4-6x15-20 | | | | 17.5 | 5 | | 4 | 916 | |
| <i>Scenedesmus ellipticus</i> | Corda 1835 | A | rotational ellipsoid | 5 | cell: 6-8x15-20 | | | | 17.5 | 7 | | 4 | 1 795 | |
| <i>Scenedesmus ellipticus</i> | Corda 1835 | A | rotational ellipsoid | 6 | cell: 8-10x18-22 | | | | 19 | 9 | | 4 | 3 222 | |
| <i>Scenedesmus obliquus</i> | (Turpin) Kützing 1833 | A | 2 cones | 1 | cell: 2-4x8-12 | | | | 10 | 3 | | 4 | 94 | |
| <i>Scenedesmus obliquus</i> | (Turpin) Kützing 1833 | A | 2 cones | 2 | cell: 2-4x12-15 | | | | 13.5 | 3 | | 4 | 127 | |
| <i>Scenedesmus obliquus</i> | (Turpin) Kützing 1833 | A | 2 cones | 3 | cell: 4-6x12-15 | | | | 13 | 4.8 | | 4 | 313 | |
| <i>Scenedesmus obliquus</i> | (Turpin) Kützing 1833 | A | 2 cones | 4 | cell: 4-6x15-20 | | | | 17.5 | 4.8 | | 4 | 422 | |
| <i>Scenedesmus obliquus</i> | (Turpin) Kützing 1833 | A | 2 cones | 5 | cell: 6-8x15-20 | | | | 17.5 | 7 | | 4 | 898 | |
| <i>Scenedesmus obliquus</i> | (Turpin) Kützing 1833 | A | 2 cones | 6 | cell: 6-8x20-25 | | | | 22.5 | 7 | | 4 | 1 154 | |
| <i>Scenedesmus obtusus</i> | Meyen 1829 <i>emend.</i> Hegewald <i>et al.</i> 1988 | A | rotational ellipsoid | 1 | cell: 4-6x8-12 | | | | 10 | 5 | | 4 | 523 | |
| <i>Scenedesmus obtusus</i> | Meyen 1829 <i>emend.</i> Hegewald <i>et al.</i> 1988 | A | rotational ellipsoid | 2 | cell: 6-8x12-15 | | | | 13.5 | 7 | | 4 | 1 385 | |
| <i>Scenedesmus obtusus</i> | Meyen 1829 <i>emend.</i> Hegewald <i>et al.</i> 1988 | A | rotational ellipsoid | 3 | cell: 8-10x15-20 | | | | 17.5 | 9 | | 4 | 2 967 | |
| <i>Scenedesmus parvus</i> | (G.M. Smith) Bourrelly <i>in</i> Bourrelly & Manguin 1952 | A | rotational ellipsoid | | cell: 2-3x6-8 | | | | 7.2 | 2.5 | | 4 | 94 | |

| | Trophy | Geometric shape | Size class No | Cell size range, µm | Length, µm | | Width µm | Height µm | Diameter, µm | | Number of cells/ counting unit | Calculated volume, µm ³ | Comment |
|-------------------------------------|----------------------------|----------------------|--------------------|---------------------|-----------------|----------------|----------|-----------|----------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Scenedesmus spp.</i> | A | rotational ellipsoid | 1 | cell: 2-3x5-6 | | | | 5.5 | 2.5 | | 4 | 72 | |
| <i>Scenedesmus spp.</i> | A | rotational ellipsoid | 2 | cell: 3-4x6-8 | | | | 7 | 3.5 | | 4 | 180 | |
| <i>Scenedesmus spp.</i> | A | 2 cones | 3 | cell: 4-5x8-12 | | | | 10 | 4.5 | | 4 | 212 | |
| <i>Schroederia setigera</i> | (Schröder) Lemmermann 1898 | A | 2 cones | 1 | cell: 3-5x60-70 | | | 65 | 4 | | 1 | 272 | |
| <i>Schroederia setigera</i> | (Schröder) Lemmermann 1898 | A | 2 cones | 2 | cell: 5-7x70-90 | | | 80 | 6 | | 1 | 754 | |
| <i>Selenastrum bibrainum</i> | Reinsch 1867 | A | 2 cones | | cell: 4-6x15-25 | | | 20 | 5 | | 1 | 131 | |
| <i>Selenastrum gracile</i> | Reinsch 1867 | A | 2 cones | | cell: 1-3x15-20 | | | 16.8 | 2 | | 1 | 18 | |
| <i>Sphaerocystis planctonica</i> | (Korshikov) Bourrelly 1966 | A | sphere | | cell: 8-9 | | | | 8.5 | | 1 | 321 | |
| <i>Sphaerocystis schroeteri</i> | R. Chodat 1897 | A | sphere | 1 | cell: 5-6 | | | | 5.5 | | 1 | 87 | |
| <i>Sphaerocystis schroeteri</i> | R. Chodat 1897 | A | sphere | 2 | cell: 7-8 | | | | 7.5 | | 1 | 221 | |
| <i>Sphaerocystis schroeteri</i> | R. Chodat 1897 | A | sphere | 3 | cell: 9-10 | | | | 9.5 | | 1 | 449 | |
| <i>Tetraëdron caudatum</i> | (Corda) Hansgirg 1888 | A | parallelepiped-25% | | cell: 12-16 | 14 | 14 | 5.6 | | | 1 | 823 | |
| <i>Tetraëdron minimum</i> | (A. Braun) Hansgirg 1888 | A | parallelepiped | 1 | cell: 8-10 | 9 | 9 | 8 | | | 1 | 648 | |
| <i>Tetraëdron minimum</i> | (A. Braun) Hansgirg 1888 | A | parallelepiped | 2 | cell: 10-15 | 12.5 | 12.5 | 10 | | | 1 | 1 563 | |
| <i>Tetrastrum elegans</i> | Playfair 1917 | A | sphere | 1 | cell: 2-4 | | | | 2.8 | | 4 | 46 | |
| <i>Tetrastrum elegans</i> | Playfair 1917 | A | sphere | 2 | cell: 4-6 | | | | 5 | | 4 | 262 | |
| <i>Tetrastrum staurogeniaeforme</i> | (Schröder) Lemmermann 1900 | A | sphere | 1 | cell: 3-4 | | | | 3 | | 4 | 57 | |
| <i>Tetrastrum staurogeniaeforme</i> | (Schröder) Lemmermann 1900 | A | sphere | 2 | cell: 4-6 | | | | 5 | | 4 | 262 | |
| <i>Tetrastrum spp.</i> | | A | sphere | | cell: 4-5 | | | | 4.5 | | 4 | 191 | |
| <i>Treubaria triappendiculata</i> | Bernard 1908 | A | sphere | 1 | cell: 6-8 | | | | 7 | | 1 | 180 | |
| <i>Treubaria triappendiculata</i> | Bernard 1908 | A | sphere | 2 | cell: 8-10 | | | | 9 | | 1 | 382 | |
| <i>Treubaria triappendiculata</i> | Bernard 1908 | A | sphere | 3 | cell: 10-12 | | | | 11 | | 1 | 697 | |
| <i>Treubaria triappendiculata</i> | Bernard 1908 | A | sphere | 4 | cell: 12-14 | | | | 13 | | 1 | 1 150 | |
| <i>Westella botryoides</i> | (W. West) De-Wildeman 1897 | A | sphere | 1 | cell: 2-4 | | | | 3 | | 1 | 14 | |
| <i>Westella botryoides</i> | (W. West) De-Wildeman 1897 | A | sphere | 2 | cell: 4-6 | | | | 5 | | 1 | 65 | |
| <i>Westella botryoides</i> | (W. West) De-Wildeman 1897 | A | sphere | 3 | cell: 6-8 | | | | 7 | | 1 | 180 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------------------|----------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Willea irregularis</i> | (Wille) Schmidle 1900 | A | rotational ellipsoid | 1 | cell: 5-8x8-10 | | | | 9 | 7 | | 4 | 923 | |
| <i>Willea irregularis</i> | (Wille) Schmidle 1900 | A | rotational ellipsoid | 2 | cell: 8-10x10-12 | | | | 11.4 | 9 | | 4 | 1 933 | |
| <i>Willea irregularis</i> | (Wille) Schmidle 1900 | A | rotational ellipsoid | 3 | cell: 10-12x15-18 | | | | 16.8 | 11.4 | | 4 | 4 570 | |
| Order MICROSPORALES | | | | | | | | | | | | | | |
| <i>Planctonema lauterbornii</i> | Schmidle 1903 | A | rotational ellipsoid | 1 | cell: 2-3x6-10 | | | | 8 | 2.5 | | 1 | 26 | |
| <i>Planctonema lauterbornii</i> | Schmidle 1903 | A | rotational ellipsoid | 2 | cell: 3-4x10-12 | | | | 11 | 3.5 | | 1 | 71 | |
| <i>Planctonema lauterbornii</i> | Schmidle 1903 | A | rotational ellipsoid | 3 | cell: 3-5x12-17 | | | | 14.5 | 4 | | 1 | 121 | |
| <i>Planctonema lauterbornii</i> | Schmidle 1903 | A | rotational ellipsoid | 4 | cell: 3-5x25-35 | | | | 30 | 4 | | 1 | 251 | |
| <i>Planctonema lauterbornii</i> | Schmidle 1903 | A | rotational ellipsoid | 5 | cell: 5-6x12-17 | | | | 14.5 | 5.5 | | 1 | 230 | |
| <i>Planctonema lauterbornii</i> | Schmidle 1903 | A | rotational ellipsoid | 6 | cell: 5-6x17-25 | | | | 20 | 5.5 | | 1 | 317 | |
| Division ZOOMASTIGOPHORA | | | | | | | | | | | | | | |
| Class Eбриidea | | | | | | | | | | | | | | |
| Order EBRIIDA (ICBN: EBRIALES) | | | | | | | | | | | | | | |
| <i>Ebria tripartita</i> | (Schumann) Lemmermann 1900 | H | half sphere-30% | 1 | cell: 17-23 | | | | | 20 | | 1 | 1 465 | |
| <i>Ebria tripartita</i> | (Schumann) Lemmermann 1900 | H | half sphere-30% | 2 | cell: 23-27 | | | | | 25 | | 1 | 2 862 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------|----------------------------|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Ebria tripartita</i> | (Schumann) Lemmermann 1900 | H | half sphere-30% | 3 | cell: 27-33 | | | | | 30 | | 1 | 4 946 | |
| <i>Ebria tripartita</i> | (Schumann) Lemmermann 1900 | H | half sphere-30% | 4 | cell: 33-37 | | | | | 35 | | 1 | 7 853 | |
| <i>Ebria tripartita</i> | (Schumann) Lemmermann 1900 | H | half sphere-30% | 5 | cell: 37-43 | | | | | 40 | | 1 | 11 723 | |
| Class Kinetoplastidea | | | | | | | | | | | | | | |
| Order KINETOPLASTIDA | | | | | | | | | | | | | | |
| <i>Cryptaulax marina</i> | Thronsen 1969 | H | rotational ellipsoid | | cell: 5-7x8-10 | | | | 9 | 6 | | 1 | 170 | |
| <i>Cryptaulax spp.</i> | | H | rotational ellipsoid | 1 | cell: 3-5x7-9 | | | | 8 | 4 | | 1 | 67 | |
| <i>Cryptaulax spp.</i> | | H | rotational ellipsoid | 2 | cell: 5-7x8-10 | | | | 9 | 6 | | 1 | 170 | |
| <i>Cryptaulax spp.</i> | | H | rotational ellipsoid | 3 | cell: 7-9x14-16 | | | | 15 | 8 | | 1 | 502 | |
| <i>Cryptaulax spp.</i> | | H | rotational ellipsoid | 4 | cell: 9-11x16-20 | | | | 18 | 10 | | 1 | 942 | |
| Incertae sedis | | | | | | | | | | | | | | |
| <i>Katablepharis ovalis</i> | Skuja 1948 | H | rotational ellipsoid | 1 | cell: 5-6x7-9 | | | | 8 | 5.5 | | 1 | 127 | |
| <i>Katablepharis ovalis</i> | Skuja 1948 | H | rotational ellipsoid | 2 | cell: 6-8x8-12 | | | | 10 | 7 | | 1 | 256 | |
| <i>Katablepharis remigera</i> | (Vørs) Clay & Kugrens 1999 | H | rotational ellipsoid | 1 | cell: 5-6x7-9 | | | | 8 | 5.5 | | 1 | 127 | |
| <i>Katablepharis remigera</i> | (Vørs) Clay & Kugrens 1999 | H | rotational ellipsoid | 2 | cell: 6-8x8-12 | | | | 10 | 7 | | 1 | 256 | |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|-------------------------------|--|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Katablepharis remigera</i> | (Vørs) Clay & Kugrens 1999 | H | rotational ellipsoid | 3 | cell: 8-10x12-15 | | | | 13.5 | 9 | | 1 | 572 | |
| <i>Katablepharis spp.</i> | | H | rotational ellipsoid | 1 | cell: 5-6x7-9 | | | | 8 | 5.5 | | 1 | 127 | |
| <i>Katablepharis spp.</i> | | H | rotational ellipsoid | 2 | cell: 6-8x8-12 | | | | 10 | 7 | | 1 | 256 | |
| <i>Leucocryptos marina</i> | (Braarud) Butcher 1967 | H | cone + half sphere | 1 | cell: 4-5x7-10 | | | | 8.5 | 4.5 | | 1 | 57 | |
| <i>Leucocryptos marina</i> | (Braarud) Butcher 1967 | H | cone + half sphere | 2 | cell: 5-6x10-14 | | | | 12 | 5.5 | | 1 | 117 | |
| <i>Leucocryptos spp.</i> | | H | cone + half sphere | | cell: 4x7 | | | | 7 | 4 | | 1 | 38 | |
| <i>Telonema subtile</i> | Griessmann 1913 | H | cone + half sphere | 1 | cell: 4x7 | | | | 7 | 4 | | 1 | 38 | |
| <i>Telonema subtile</i> | Griessmann 1913 | H | cone + half sphere | 2 | cell: 5-6x8 | | | | 8 | 5.5 | | 1 | 85 | |
| <i>Telonema spp.</i> | | H | cone + half sphere | | cell: 6-7x12 | | | | 12 | 6.5 | | 1 | 169 | |
| Division Ciliophora | | | | | | | | | | | | | | |
| Class Litostomatea | | | | | | | | | | | | | | |
| Order HAPTORIDA | | | | | | | | | | | | | | |
| <i>Mesodinium rubrum</i> | (Lohmann) Hamburger & Buddenbrock 1911 | A | 2 spheres * 5/8 | 1 | cell: 10-14 | | | | | 12.5 | | 1 | 1 278 | * |
| <i>Mesodinium rubrum</i> | (Lohmann) Hamburger & Buddenbrock 1911 | A | 2 spheres * 5/8 | 2 | cell: 14-16 | | | | | 15 | | 1 | 2 208 | * |
| <i>Mesodinium rubrum</i> | (Lohmann) Hamburger & Buddenbrock 1911 | A | 2 spheres * 5/8 | 3 | cell: 16-20 | | | | | 17.5 | | 1 | 3 506 | * |

| | | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------|--|--------|----------------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| <i>Mesodinium rubrum</i> | (Lohmann) Hamburger & Buddenbrock 1911 | A | 2 spheres * 5/8 | 4 | cell: 20-27 | | | | | 22.5 | | 1 | 7 451 | * |
| <i>Mesodinium rubrum</i> | (Lohmann) Hamburger & Buddenbrock 1911 | A | sphere | 5 | cell: 27-33 | | | | | 30 | | 1 | 14 130 | * |
| <i>Mesodinium rubrum</i> | (Lohmann) Hamburger & Buddenbrock 1911 | A | sphere | 6 | cell: 33-37 | | | | | 35 | | 1 | 22 438 | * |
| <i>Mesodinium rubrum</i> | (Lohmann) Hamburger & Buddenbrock 1911 | A | sphere | 7 | cell: 37-45 | | | | | 40 | | 1 | 33 493 | * |
| <i>Mesodinium rubrum</i> | (Lohmann) Hamburger & Buddenbrock 1911 | A | sphere | 8 | cell: 45-55 | | | | | 50 | | 1 | 65 417 | * |
| <i>Mesodinium rubrum</i> | (Lohmann) Hamburger & Buddenbrock 1911 | A | sphere | 9 | cell: 55-65 | | | | | 60 | | 1 | 113 040 | * |
| Others | | | | | | | | | | | | | | |
| Flagellates, unidentified | | A/H | rotational ellipsoid | 1 | cell: <2 | | | | 2 | 1.5 | | 1 | 2.4 | 10 |
| Flagellates, unidentified | | A/H | rotational ellipsoid | 2 | cell: 2-3 | | | | 2.5 | 1.9 | | 1 | 4.6 | 10 |
| Flagellates, unidentified | | A/H | rotational ellipsoid | 3 | cell: 3-5 | | | | 4 | 3 | | 1 | 19 | 10 |
| Flagellates, unidentified | | A/H | rotational ellipsoid | 4 | cell: 5-7 | | | | 6 | 4.5 | | 1 | 64 | 10 |
| Flagellates, unidentified | | A/H | rotational ellipsoid | 5 | cell: 7-10 | | | | 8.5 | 6.4 | | 1 | 181 | 10 |
| Flagellates, unidentified | | A/H | rotational ellipsoid | 6 | cell: 10-15 | | | | 12.5 | 9.4 | | 1 | 575 | 10 |
| Flagellates, unidentified | | A/H | rotational ellipsoid | 7 | cell: 15-20 | | | | 17.5 | 13.1 | | 1 | 1 578 | 10 |
| Flagellates, unidentified | | A/H | sphere | 1 | cell: <2 | | | | | 2 | | 1 | 4.2 | 10 |
| Flagellates, unidentified | | A/H | sphere | 2 | cell: 2-3 | | | | | 2.5 | | 1 | 8.2 | 10 |
| Flagellates, unidentified | | A/H | sphere | 3 | cell: 3-5 | | | | | 4 | | 1 | 33 | 10 |
| Flagellates, unidentified | | A/H | sphere | 4 | cell: 5-7 | | | | | 6 | | 1 | 113 | 10 |
| Flagellates, unidentified | | A/H | sphere | 5 | cell: 7-10 | | | | | 8.5 | | 1 | 321 | 10 |

| | Trophy | Geometric shape | Size class No | Cell size range, μm | Length, μm | | Width μm | Height μm | Diameter, μm | | Number of cells/ counting unit | Calculated volume, μm^3 | Comment |
|---------------------------|--------|-----------------|---------------|--------------------------------|-----------------------|----------------|---------------------|----------------------|-------------------------|----------------|-----------------------------------|---------------------------------------|---------|
| | | | | | l ₁ | l ₂ | w | h | d ₁ | d ₂ | | | |
| Flagellates, unidentified | A/H | sphere | 6 | cell: 10-15 | | | | | 12.5 | | 1 | 1 022 | 10 |
| Flagellates, unidentified | A/H | sphere | 7 | cell: 15-20 | | | | | 17.5 | | 1 | 2 805 | 10 |
| Unicell spp. | A | sphere | 1 | cell: <2 | | | | | 2 | | 1 | 4.2 | 11 |
| Unicell spp. | A | sphere | 2 | cell: 2-3 | | | | | 2.5 | | 1 | 8.2 | 11 |
| Unicell spp. | A | sphere | 3 | cell: 3-5 | | | | | 4 | | 1 | 33 | 11 |
| Unicell spp. | A | sphere | 4 | cell: 5-7 | | | | | 6 | | 1 | 113 | 11 |
| Unicell spp. | A | sphere | 5 | cell: 7-10 | | | | | 8.5 | | 1 | 321 | 11 |
| Unicell spp. | A | sphere | 6 | cell: 10-15 | | | | | 12.5 | | 1 | 1 022 | 11 |
| Unicell spp. | A | sphere | 7 | cell: 15-20 | | | | | 17.5 | | 1 | 2 805 | 11 |

Abbreviations:

A - Autotrophic

H - Heterotrophic

A/H - Autotrophic or Heterotrophic

M - Mixotrophic

coen. - coenobium

fil. - filament

HD factor - relation between hidden and visible dimensions

Comments:

* - species not included in the recent Checklist of Baltic Sea Phytoplankton Species (Hällfors 2004).

1 - species counted as 100 μm filament, comprised spherical cells

2 - most common species, earlier called *Aphanizomenon flos-aque* (see page 14 in the text)

3 - HD factor=0.25 need confirmation

4 - length of cell is measured as total length minus two processes of 5 μm length each

5 - fixed volumes

6 - size class based on cell diameter

7 - size classes based on cell length

8 - size classes based on cell apical axis

9 - volume calculated as rotational ellipsoid without narrow empty ends of cell

10 - unidentified cells with flagella, which may belong to different taxonomical groups

11 - unidentified cells without flagella, which may belong to different taxonomical groups



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ISSN 0357-2994