

Table S2: References used to analyse data density of oxygen dissociation curves from various methods

Method	References
Modified diffusion chamber	This study
HEMOX-analyser	(Stawski et al., 2006; Cabrales et al., 2008; Biolo et al., 2009; Liu et al., 2009; Liu et al., 2010)
Modified cuvette	(Zielinski et al., 2001)
Pwee 50 / HemOscan	(Clark et al., 2008; Bianchini, 2012; Verhille and Farrell, 2012)
Thunberg tube / Spectrophotometric tonometer	(Hill and Wolvekamp, 1936; Nakagawa et al., 2005; Olinas et al., 2009; Bonaventura et al., 2010; Seibel, 2012)
Mixing method	(Scheid and Meyer, 1978; Boutilier et al., 2000; Soncini and Glass, 2000; de Salvo Souza et al., 2001; Meir and Ponganis, 2009)
CO-Oximeter	(Bunn et al., 1972; Lokich et al., 1973; Elbaum et al., 1974; Harms et al., 1998; Jahr et al., 2001)
Diffusion chamber	(Morris et al., 1985; Menze et al., 2005; Broekman et al., 2006; Rutjes et al., 2007; Sugumar and Munuswamy, 2007; Storz et al., 2009)
Tucker chamber	(Bridges et al., 1979; Airaksinen and Nikinmaa, 1995; Gollock et al., 2006; Brill et al., 2008; Petersen and Gamperl, 2011; Leon et al., 2012)

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