

**Table 2.** Comparative compilation of carbon-to-volume conversion factors from different sources

Source	Species	pgC/ $\mu\text{m}^3$
This study <sup>c</sup>	Mixed bacteria	0.05–0.10
Strathmann [16] <sup>a</sup>	Diatoms	0.09–0.14
Strathmann <sup>b</sup>	Diatoms	0.03–0.13
Bratbak and Dundas [5]	<i>Escherichia coli</i>	0.22
Bratbak [4]	<i>Pseudomonas putida</i>	0.56
Watson et al. [18]	<i>E. coli</i>	0.10–0.17
Luria [10] <sup>c,d</sup>	Mixed bacteria	0.07–0.14
van Veen and Paul [17]	Soil bacteria	0.19–0.7
Bakken and Olsen [2] <sup>c</sup>	Mixed bacteria	0.07–0.18

Some of the data have been converted from dry weight/volume (or dry weight/wet weight) assuming 50% carbon of dry weight, and wet weight/volume ratio of 1.1 pg/ $\mu\text{m}^3$

<sup>a</sup> Based on plasma volume

<sup>b</sup> Based on cell volume

<sup>c</sup> Calculated assuming 50% carbon of dry weight

<sup>d</sup> Based on water loss upon drying