

Table 1 Volumes and element content of bacteria from different locations and cultures. Geometric means of single cell measurements with standard error. n: number of cells analyzed

	Volume (μm^3)	Dry matter (fg cell ⁻¹)	Element content (fg)					n
			C	N	O	P	S	
Location, date								
Raunefjorden, June 1993	0.11 ± 0.01	21 ± 2	9 ± 1	2.2 ± 0.3	4.0 ± 0.4	0.50 ± 0.05	0.43 ± 0.05	62
Raunefjorden, October 1993	0.28 ± 0.08	37 ± 8	19 ± 4	5 ± 1	5 ± 1	0.8 ± 0.2	0.35 ± 0.09	20
Knebel Vig, Denmark, 1994	0.20 ± 0.02	26 ± 2	12 ± 1	2.6 ± 0.2	4.7 ± 0.4	0.47 ± 0.04	0.44 ± 0.05	95
Knebel Vig, 1992	0.21 ± 0.03	22 ± 3	7 ± 1	1.6 ± 0.2	5.1 ± 0.7	0.46 ± 0.07	0.56 ± 0.07	55
Tvärminne, Finland	0.31 ± 0.09	60 ± 20	31 ± 10	5 ± 2	9 ± 3	1.4 ± 0.3	0.6 ± 0.2	17
Lake Kalandsvatnet, Norway	0.41 ± 0.03	39 ± 3	21 ± 2	4.4 ± 0.3	4.9 ± 0.4	1.05 ± 0.08	0.30 ± 0.02	87
Species								
<i>Vibrio natriegens</i>								
Growing	3.5 ± 0.5	850 ± 90	350 ± 40	90 ± 10	120 ± 10	17 ± 2	13 ± 1	11
Stationary	0.93 ± 0.06	145 ± 5	62 ± 4	16 ± 1.0	24 ± 1	3.4 ± 0.1	2.5 ± 0.1	11
<i>Escherichia coli</i>								
Growing	3.8 ± 0.4	710 ± 80	350 ± 40	100 ± 10	120 ± 20	31 ± 4	9 ± 1	26
Stationary	0.7 ± 0.1	180 ± 20	110 ± 10	24 ± 3	24 ± 3	6.7 ± 0.7	1.7 ± 0.2	20