

TABLE 1. Comparison among cell volumes of 11 microorganisms, obtained with the CC and by SEM and TEM

Microorganism	CC		TEM			SEM		
	\bar{x} (μm^3) ^a	SD ^b	No. ^c	\bar{x} (μm^3)	SD	No.	\bar{x} (μm^3)	SD
<i>Candida albicans</i>	27.382	11.687	ND ^d	ND	ND	144	17.220	9.927
<i>Saccharomyces cerevisiae</i>	35.212	15.307	ND	ND	ND	121	25.011	8.095
<i>Salmonella typhimurium</i>	0.656	0.299	191	0.469	0.176	115	0.379	0.136
<i>Pseudomonas aeruginosa</i>	0.508	0.270	146	0.248	0.084	201	0.183	0.059
<i>Staphylococcus aureus</i>	0.266	0.093	170	0.140	0.069	160	0.134	0.041
<i>Bacillus stearothermophilus</i>	0.690	0.229	174	0.370	0.105	155	0.269	0.079
<i>Rhodopseudomonas capsulata</i>	0.589	0.274	150	0.576	0.243	136	0.270	0.080
<i>Thiocapsa roseopersicina</i>	1.003	0.371	152	0.680	0.230	149	0.303	0.098
<i>Chromatium vinosum</i>	1.504	0.471	118	0.853	0.258	152	0.431	0.116
<i>Chromatium minus</i>	24.589	9.675	ND	ND	ND	172	8.271	3.783
<i>Chlorobium vibrioforme</i>	0.328	0.143	153	0.225	0.081	169	0.053	0.016

^a Mean of the size frequency distribution.

^b Standard deviation of the size frequency distribution.

^c Number of cells measured. The number of cells analyzed with the CC was higher than 50,000.

^d ND, Not determined.