TABLE 2. Total mass and elemental composition of *E. coli*[a]

Specimen	Cell no.[b]	Vol[c]	Carbon content (fg/cell)[d]	Dry wt (fg/cell)[e]	Mass (fg)	Chemical content (fg/cell) via X-ray microanalysis (n = 10)						
						Na	Mg	P	S	Cl	K	Ca
Late exponential phase												
E. coli	1.1	1.25	112	285	278	6.52	1.81	11.70	2.91	6.51	11.78	0.60
	(0.26)	(0.19)	(4.8)	(6.6)	(64)	(5.34)	(0.93)	(3.60)	(1.25)	(1.41)	(4.40)	(0.85)
Early exponential phase												
E. coli	2.0	1.20	ND[f]	151	154	7.97	1.32	8.35	1.89	3.78	3.31	0.07
	(0.34)	(0.35)		(6.1)	(36)	(4.81)	(0.91)	(2.11)	(0.61)	(0.84)	(1.30)	(0.7)

[a] The standard deviation is given in parentheses below each value.
[b] Number of cells per milliliter × 10^9 in culture at time of sampling.
[c] Measurements of air-dried bacteria in scanning transmission electron microscopy in cubic micrometers.
[d] Calculated from carbon analysis (Carlo Erba).
[e] See Materials and Methods.
[f] ND, Not determined.