

TABLE II
INTRACELLULAR Cl, Na, AND K
CONCENTRATIONS IN E. COLI*

[Cl] _o	[Cl] _i	$\frac{[Cl]_o}{[Cl]_i}$	[Na] _o	[Na] _i	$\frac{[Na]_i}{[Na]_o}$	[K] _o	[K] _i	$\frac{[K]_i}{[K]_o}$
mM	mM		mM	mM		mM	mM	
<i>Stationary phase</i>								
25	21.2±0.6 (8)§	1.18	145	177±4 (4)	1.22	5	11.2±1.0 (4)	2.2
50	44.5±2.0 (8)§	1.12	170	188±3 (4)	1.11	5	9.6±1.1 (4)	1.9
75	68.1±3.6 (15)	1.10	145	165±4 (8)	1.14	5	13.0±1.1 (8)	2.6
100	69.9±1.0 (7)	1.43	170	148±1 (4)	0.85	5	28.3±0.5 (4)	5.7
Average‡		1.13			1.16			2.2
<i>Logarithmic phase</i>								
25	8.3±1.5 (14)§	3.0	145	81±2 (7)	0.56	5	217±5 (7)	43.4
50	17.1±0.9 (27)	2.9	120	70±2 (7)	0.58	5	224±8 (6)	44.8
75	23.7±3.0 (19)	3.2	145	80±4 (6)	0.55	5	227±5 (7)	45.4
100	33.5±1.7 (8)	3.0	170	89±8 (4)	0.52	5	257±1 (4)	51.5
Average		3.0			0.55			46.3

* The errors shown are the standard errors of the mean; the number of determinations are given in parentheses.

‡ These values do not include the data for the 100 mM Cl medium. See text for explanation.

§ [Cl]_i determined using Cl³⁶.