

Table 1. K/Na ratio from the literature showing differences between growing and stationary cells.

Type	K/Na (mol)		References
	Growing	Stationary	
<i>Escherichia coli</i>	2.9	0.2	Cirillo 1966
<i>Escherichia coli</i>	1.8	0.41*	Heldal et al. 1985
<i>Streptococcus fecalis</i>	112	0.74	Zarlengo and Schultz 1966
<i>Paracoccus halodenitrificans</i>	2.7	0.13	Sadler et al. 1980
<i>Haloanaerobium praevalens</i>	2.6	0.43	Ohren et al. 1997
<i>Halobacterium salinarum</i>	8.8	0.44	Ginsburg 1978
Raunefjorden, October 1993	0.2	0.06	Tuomi et al. 1995

*Described as early exponential phase.

Cirillo, V.P. 1966. Symposium on bioelectrochemistry of microorganisms. I. Membrane potentials and permeability. *Bacteriol. Rev.* **30**: 68-79.

Ginsburg, M. 1978. Ion metabolism in whole cells of *Halobacterium halobium* and *H. marismortui*. In *Energetics and structure of halophilic microorganisms*. Edited by S.R. Capland and M. Ginzberg. Elsevier – North Holland Biomedical Press, Amsterdam. pp. 561–577.

Heldal, M., Norland, S., and Tumyr, O. 1985. X-ray microanalytical method for measurements of dry matter and elemental content of individual bacteria. *Appl. Environ. Microbiol.* **50**: 1251–1257.

Oren, A., Heldal, M., Norland, S. 1997. X-ray microanalysis of intracellular ions in the anaerobic halophilic eubacterium *Haloanaerobium praevalens*. *Can. J. Microbiol.* **43**: 588–592.

Sadler, M., McAninch, M., Alicio, R., and Hochstein, L.I. 1980. The intracellular Na⁺ and K⁺ composition of the moderate halophilic bacterium, *Paracoccus halodenitrificans*. *Can. J. Microbiol.* **26**: 496–502.

Tuomi, P., Fagerbakke, K.M., Bratbak, G., and Heldal, M. 1995. Nutritional enrichment of a community: the effects on activity, elemental composition, community structure and virus production. *FEMS Microbiol. Ecol.* **16**: 123–134.

Zarlengo, M.H., and Schultz, S.G. 1966. Cation transport and metabolism in *Streptococcus fecalis*. *B.B.A.* **126**: 308–320.