[NaCl] of the growth medium (M)	Osmolarity of the growth medium (OSM)*	Water (µl/mg cell dry wt)		
		$\Gamma_{\rm cell}$	F _{cyto}	L' peri
0	0-10	2·54 ± 0·05	2·23 ± 0·12	0·31±0·13
0·1	0.28	2.45 ± 0.11	2.08 ± 0.06	0.37 ± 0.13
0.2	0.47		1.71 ± 0.10	
0.3	0.65	2.06 ± 0.19	1.68 ± 0.15	0.38 ± 0.24
0.4	0.83	2.06 ± 0.07	1.47 ± 0.05	0.59 ± 0.09
0:5	1.02	1.87 ± 0.12	1.18 ± 0.06	0.69 ± 0.13
0.55	1:11	-	1.04 ± 0.08	

Reported cellular and cytoplasmic volumes (μ l/mg cell dry wt) are the mean (± 1 s.p.) of measurements on 3 to 8 independent cultures, each analyzed in triplicate, except for the value of $\vec{V}_{\rm cell}$ measured in cells grown at 0-83 osm (1 triplicate determination). Cells were grown in MBM containing the indicated amount of NaCl.

* Calculated from osmotic coefficients of NaCl (Robinson & Stokes, 1959) as described in Materials and Methods.

* $\vec{V}_{\rm peri} = \vec{V}_{\rm cell} - \vec{V}_{\rm cyto}$ (μ l/mg cell dry wt).