

TABLE 2 Water-accessible volumes ($\mu\text{L H}_2\text{O}/\text{mg DW}$) of the cell and compartments of growing cells and of centrifugally harvested suspensions

	$\bar{V}_{\text{cell}}^{\text{wa}}$	$\bar{V}_{\text{cyto}}^{\text{wa}}$	$\bar{V}_{\text{peri}}^{\text{wa}}$
Growing cells spun through oil*	2.54 ± 0.10	2.11 ± 0.20	0.43 ± 0.23
Suspensions [†]	2.54 ± 0.06	2.19 ± 0.11	0.35 ± 0.13
Suspensions spun through oil [‡]	2.60 ± 0.05	2.26 ± 0.12	0.34 ± 0.13

*Values of $\bar{V}_{\text{cell}}^{\text{wa}}$ and $\bar{V}_{\text{cyto}}^{\text{wa}}$ are the mean (± 1 SD) of measurements performed on four and five separate cultures, respectively, each grown at 0.1 Osm in MBM and assayed in triplicate.

[†]Suspensions of centrifugally harvested cells were prepared and assayed as described in Methods. The reported values are the mean (± 1 SD) of results obtained in this study combined with those of Cayley et al. (1991) performed under identical conditions.

[‡]Volumes of suspensions spun through oil were assayed as for samples without oil except that samples were assayed by centrifugation through 200 μL of bromododecane oil. The value of $\bar{V}_{\text{cell}}^{\text{wa}}$ is the average (± 1 SD) of a single triplicate measurement. The value of $\bar{V}_{\text{cyto}}^{\text{wa}}$ is the average (± 1 SD) of measurements performed on four separate cultures, each assayed in triplicate.