

TABLE 3. Mean values of parameters for cells during exponential and synchronous growth in two minimal salts media

Medium and growth (no. of expts)	Doubling time (min) ^a	Density (g/ml)	Volume (μm^3) ^b	Mass (pg) ^c
MSGT (9)				
Exponential	39.9 \pm 0.4	1.094 \pm 0.001	1.029 \pm 0.010	1.126 \pm 0.015
Synchronous	41.8 \pm 3.6 (40.2 \pm 3.2)	1.095 \pm 0.001	1.013 \pm 0.060	1.109 \pm 0.060
MSGT-CAA (3)				
Exponential	25.0 \pm 1.1	1.093 \pm 0.003	1.517 \pm 0.059	1.658 \pm 0.059
Synchronous	26.1 \pm 2.5 (24.0 \pm 0.6)	1.095 \pm 0.001	1.566 \pm 0.114	1.714 \pm 0.114

^a Time required to double the mean birth volume. Numbers in parentheses are doubling times determined from the increase in cell number for the period between the time of mean birth volume and mean time of division.

^b From rate of cell volume increase multiplied by the number-doubling time.

^c Mean cell volume multiplied by the buoyant density.