

TABLE I
Two-Dimensional Measurements of Cellular and Mitochondrial Profiles*

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Time after mitosis	Cell area	Cyt. area†	Cyt. area Cell area	Tot. mt.‡ profile area Cyt. area	Tot. outer§ membr. cont. length Cyt. area	no. Mit.¶ profiles µm² Cyt. area	Mit. profile area	Outer membrane contour length**	Axis ratio**
h	µm²	µm²	%	%	µm⁻¹		µm²	µm	
0	197.5 ± 9.7	133.0 ± 6.8§	67.3 ± 0.9	11.0 ± 0.4§	0.93 ± 0.04§	0.57 ± 0.03§	0.193 ± 0.006	1.64 ± 0.06	1.77 ± 0.11
3	117.6 ± 5.0	79.1 ± 3.3	68.4 ± 2.1	10.6 ± 0.6	0.89 ± 0.05	0.52 ± 0.03	0.202 ± 0.011	1.70 ± 0.09	1.90 ± 0.14
7	124.4 ± 7.6	78.4 ± 4.9	64.2 ± 2.0	9.4 ± 0.7	0.78 ± 0.06	0.46 ± 0.04	0.205 ± 0.010	1.69 ± 0.13	1.86 ± 0.16
11	128.9 ± 5.7	86.2 ± 4.9	66.8 ± 2.4	10.8 ± 0.7	0.90 ± 0.06	0.53 ± 0.04	0.204 ± 0.013	1.69 ± 0.11	1.84 ± 0.20
16	144.4 ± 6.1	95.1 ± 4.6	65.9 ± 1.7	10.9 ± 1.0	0.91 ± 0.08	0.54 ± 0.04	0.203 ± 0.019	1.69 ± 0.14	1.94 ± 0.20
19	170.6 ± 7.1	118.4 ± 3.5	71.3 ± 2.2	10.6 ± 0.5	0.88 ± 0.04	0.51 ± 0.03	0.210 ± 0.010	1.73 ± 0.09	1.91 ± 0.18

* Values shown are means ± standard errors, computed from the values for individual cell profiles. At each time-point, measurements were made on 28-31 cell profiles and 1,100-2,200 mitochondrial profiles.

† (Cytoplasmic profile area) = (Cell profile area) - (Nuclear profile area).

‡ Computed from the corresponding value for the total cell area by using the estimated value of cyt. area/cell area (see following footnote).

§ Since mitotic cell profiles lack defined nuclear and cytoplasmic regions, this value was estimated as the average of the values for the other time-points.

¶ The means and standard errors of this parameter were both computed by weighting the value of the parameter for a given cell profile according to its cytoplasmic area.

** The means and standard errors of this parameter were both computed by weighting the value of the parameter for a given cell profile according to its number of mitochondrial profiles.

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