

TABLE III

Calculated densities of cells from settling rates (values of $\Delta = \rho_{\text{cell}} - \rho_{\text{sea water}}$ at 20 °C).

	V ($\text{cm}^3 \times 10^9$)	Dimensions ($\text{cm} \times 10^4$)			'Nominal diameter' ($\text{cm} \times 10^4$)	V_t ($\text{cm sec}^{-1} \times 10^4$)	$\Delta(\text{G})$ (g cm^{-3})	$\Delta(\text{S})$ (g cm^{-3})
		a	b	c				
<i>Monochrysis lutherii</i>	0.107	2.95	2.95	2.95	5.9	2.08 (G)	0.1195	—
<i>Cyclotella nana</i>	0.176	3.35	3.35	2.5	6.0	1.85 (G) 8.78 (S)	0.0640	0.303
<i>Dunaliella tertiolecta</i>	0.27	4.3	3.0	3.0	7.0	4.5 (G)	0.124	—
<i>Coccolithus huxleyi</i> , bald	0.585	5.2	5.2	5.2	10.4	3.24 (G)	0.0580	—
<i>C. huxleyi</i> with coccoliths	1.15	6.5	6.5	6.5	13.0	15.0 (G)	0.177	—
<i>Cricosphaera elongata</i>	1.20	8.0	7.0	7.0	14.5	2.9 (G)	0.0370	—
<i>Rhizosolenia setigera</i>	4.22	123	2.35	2.35	17.5	2.08 (G) 5.55 (S)	0.0224	0.0599
<i>Thalassiosira rotula</i>	8.50	6.0	15	15	22	4.97 (G) 26.6 (S)	0.0148	0.0790
<i>Ditylum brightwellii</i>	26.5	42.5	10	10	32.5	6.95 (G) 35.8 (S)	0.0116	0.0605
<i>Rhizosolenia stolterfothii</i>	29.2	63	8.6	8.6	33.5	11.6 (G) 22.0 (S)	0.0216	0.0408
<i>Coscinodiscus</i> sp. Clone AD	45.0	15.5	21.5	21.5	38.5	22.6 (D) 79 (S)	0.0195	0.0680
<i>Gonyaulax polyedra</i>	54.5	23.5	23.5	23.5	47	32.4 (G) 69.0 (S)	0.0288	0.0615
<i>Coscinodiscus</i> sp. empty cell wall Clone WH	270	35	35	35	70	170	—	0.0458
<i>Ditylum</i> , resting spore	1360	51.3	51.3	63.8	110	92.5	—	0.010
<i>Coscinodiscus walesii</i>	1540	50	70	70	125	81 (G) 350 (S)	0.0067	0.0290