TABLE 5
Buoyant Densities of Subcellular Particles and Viruses in Silica Gradients

Density gradient compound (synonyms)	Type of cell organelles	Buoyant density (g/ml)	Reference
Ludox AM	Chloroplasts from *Spinacia oleracea*	1.08–1.12	Price, 1973; Schmitt *et al.*, 1974; Morgenthaler *et al.*, 1975
	Chloroplasts from *Beta vulgaris*	1.10	Schmitt *et al.*, 1974
	Chloroplasts from *Antirrhinum majus*	1.10	Schmitt *et al.*, 1974
	Chloroplasts from *Elodea densa*	1.08–1.12	Heber and Santarius, 1970
Ludox HS	Chloroplasts from *Spinacia oleracea*	1.08–1.13	Lyttleton, 1970
	Chloroplasts from *Chenopodium album*	1.08–1.13	Lyttleton, 1970
	Chloroplasts from *Amaranthus lividus*	1.08–1.13	Lyttleton *et al.*, 1971
	Marine organisms		
	Zooplankton	1.04	Bowen *et al.*, 1972
	Fish eggs	1.02	Bowen *et al.*, 1972
	Fish larvaes	1.09	Bowen *et al.*, 1972
	Viruses		
	Tobacco mosaic virus	1.065	Pertoft *et al.*, 1967
	Poliovirus	1.19	Pertoft *et al.*, 1967
	Adenovirus	1.23	Pertoft *et al.*, 1967
	Cell membranes from erythrocytes	1.08	Nilsson and Ronquist, 1969
	Mitochondria from *Spinacia oleracea* and *Beta vulgaris*	1.04	Grunebaum-Turck and Willenbrink, 1971; Turck and Willenbrink, 1969
	Catecholamine granules from sympathetic nerves and adrenal medulla	1.17–1.18	Lagercrantz *et al.*, 1970
Ludox SM	Turnip yellow mosaic virus	1.12	Pertoft *et al.*, 1967
Ludox TM	Cell nuclei from leaves of tobacco	1.80–1.10	Hendriks, 1972
Nalcoag 1030	Mouse spermatid nuclei	1.067–1.21	Loir and Wyrobek, 1972
Mixtures of Ludox HS and polyethylene glycol	Viruses		
	Herpes simplex virus	1.09–1.11	Vahlne and Blomberg, 1974
	Infectious bovine rhinotracheitis virus	1.07–1.08	Pertoft, 1970b,c
	Equine abortion virus	1.08	Klingeborn and Pertoft, 1972
	Epstein–Barr virus	1.10	Pertoft, unpublished

TABLE 5
(continued)

Density gradient compound (synonyms)	Type of cell organelles	Buoyant density (g/ml)	Reference
Mixtures of Ludox HS and polyethylene glycol	Synaptosomes from rat brain	1.045–1.065	Lagercrantz and Pertoft, 1972
	Mitochondria from rat brain	1.09–1.11	Lagercrantz and Pertoft, 1972
	Chloroplasts from *Spinacia oleracea*	1.08–1.12	Morgenthaler *et al.*, 1975
Mixtures of Ludox HS and polyvinyl-pyrrolidone	Plasma membranes		
	From rat liver	1.03–1.05	Pertoft, unpublished
	From HeLa cells	1.04–1.08	Wolff and Pertoft, 1972b
	Microsomes		
	From rat liver	1.03–1.05	Pertoft *et al.*, 1977a
	From HeLa cells	1.04–1.08	Wolff and Pertoft, 1972b
	Mitochondria		
	From rat liver	1.09–1.11	Pertoft *et al.*, 1977a
	From HeLa cells	1.05–1.08	Wolff and Pertoft, 1972b
	Lysosomes		
	From rat liver	1.04–1.11	Pertoft *et al.*, 1977a
	From HeLa cells	1.04–1.06	Wolff and Pertoft, 1972b
	Peroxisomes from HeLa cells	1.05–1.07	Wolff and Pertoft, 1972b
	Granules from murine mastocytoma	1.00–1.05	Ögren and Lindahl, 1976
Mixtures of Ludox HS and dextran	Granules from human leukocytes	1.23–1.24	Olsson, 1969a,b
MCS type I	Equine abortion virus	1.08	Pertoft and Klingeborn, unpublished
	Rotavirus	1.08	Pertoft and Tufvesson, unpublished
	"Light" lysosomes from rat liver	1.04–1.07	Pertoft *et al.*, 1977a
	"Heavy" lysosomes from rat liver	1.08–1.11	Pertoft *et al.*, 1977a
	Plasma membranes from rat liver	1.024–1.027	Öbrink, *et al.*, 1977
	Microsomes from rat liver	1.03–1.05	Pertoft *et al.*, 1977a
	Lysosomes from mouse spleen	1.04–1.10	Pertoft and Peterson, unpublished
	Lysosomes from rat fibroblasts	1.04–1.09	Pertoft, unpublished
	Lysosomes from chicken epiphysis	1.04–1.09	Pertoft and Wasteson, unpublished