

TABLE 3
Buoyant Densities of Cells in Silica Gradients

Density gradient compound (synonyms)	Type of cells	Buoyant density (g/ml)	Reference
Ludox HS	Amoebae of <i>Dictyostelium discoideum</i>	1.06	Leach <i>et al.</i> , 1973
	Bacteria	1.13	Juhos, 1966
	Nonpigmented cells from bovine ciliary epithelium	1.066	Schimizu <i>et al.</i> , 1967
	Pigmented cells from bovine ciliary epithelium	1.099	Schimizu <i>et al.</i> ; 1967
	Spermatozoa	1.09–1.14	Beatty, 1964
	Ram spermatids	1.045–1.152	Loir and Lanneau, 1975
	Rat liver cells	1.045–1.060	Hayek and Tipton, 1966
Mixtures of Ludox HS and polyethylene-glycol	Cells from a mast cell tumor	1.06–1.15	Pertoft, 1970a
	Cells from rat kidney	1.07–1.10	Peterson <i>et al.</i> , 1973
	Cells from rat liver	1.08–1.11	Pertoft, 1969
Mixtures of Ludox HS and polyethylene-glycol	Parietal cells from rabbit gastric mucosa	1.07–1.08	Berglund and Öbrink, 1973
	Skin fibroblasts	1.03	Pertoft and Laurent, 1968
Mixtures of Ludox HS and polyvinyl pyrrolidone	Human thrombocytes	1.04–1.06	Evrin and Pertoft, 1973; Pertoft <i>et al.</i> , 1968
	Human lymphocytes	1.06–1.08	Evrin and Pertoft, 1973; Pertoft <i>et al.</i> , 1968
	Human granulocytes	1.08–1.09	Evrin and Pertoft, 1973; Pertoft <i>et al.</i> , 1968
	Human erythrocytes	1.09–1.10	Evrin and Pertoft, 1973; Pertoft <i>et al.</i> , 1968
	Thrombocytes from dog	1.044–1.064	Busch and Olson, 1973
	HeLa cells from Spinner culture	1.04–1.08	Wolff and Pertoft, 1972a
	Hep-2 cells from culture	1.065–1.075	Bienz <i>et al.</i> , 1973
	Cells from granuloma tissue	1.068	Ivaska, 1973
MCS type I	Human blood cells	1.04–1.10 ^a	Pertoft, unpublished
	Lymphocytes from mouse spleen	1.05–1.10	Sege and Pertoft, unpublished
	Hepatocytes from rat liver	1.07–1.11	Pertoft <i>et al.</i> , 1977b
	Nonhepatic cells from rat liver	1.05	Pertoft <i>et al.</i> , 1977b
	HeLa cells from Spinner culture	1.04–1.07	Pertoft <i>et al.</i> , 1977b
	Primary calf testicular cells	1.03–1.06	Pertoft <i>et al.</i> , 1977b

^aThe cells band at the same densities as in mixtures of Ludox HS and PVP.