Table II. Nucleo-cytoplasmic flux of dextrans in cultured rat liver cells

Abbreviation of dextran	Mean mol.mass kd	Diffuson coefficient[a] 10^{-8} cm²/s	Stokes radius[b] Å	Rate constant[c] s^{-1}	Mobile fraction	n^c
FD3	2.9[d]	97.8 ± 6.0[d]	22.0[d]	0.1885 ± 0.0822	0.69 ± 0.09	22
FD10	10.5	75.7 ± 2.5	28.3	0.0487 ± 0.0191	0.69 ± 0.14	24
FD20	17.5	65.1 ± 6.5	33.0	0.0196 ± 0.0067	0.76 ± 0.24	16
FD40	41.0	46.3 ± 4.6	46.4	−0.0014 ± 0.0052		18
FD70	62.0	39.0 ± 2.6	55.1	0.0007 ± 0.0021		11
FD150	156.9	23.7 ± 1.3	90.7			

[a]1 μM solution in 7 mM sodium phosphate buffer, pH 7.4.
[b]Calculated according to radius a = $(kT)/(6\pi\eta D)$, where k = Boltzmann's constant, T = absolute temperature, and η = solvent viscosity.
[c]Mean ± S.D. of n measurements; in the case of FD40 and FD70 the calculation was based on an assumed mobile fraction of 1.0.
[d]FD3 may occur as a dimer in solution as discussed in the text.