

Table S1. Physical properties of Sephadex® dextranomer microspheres

Gel type	Dry bead size (µm)		Wet bead size (µm)		Permeability K*	Fractionation [Mr] globular proteins	Fractionation [Mr] dextrans	Exclusion limit (Da)	Swelling factor (ml/g)
	Low	High	Low	High					
G-10	40	120	55	165	19	700	700	> 700	2-3
G-15	40	120	60	180	18	1,500	1,500	> 1,500	2.5-3.5
G-25 superfine	10	40	17	70	9	1,000-5,000	100-100	> 5,000	4-6
G-25 fine	20	80	35	140	30	1,000-5,000	100-100	> 5,000	4-6
G-25 medium	50	150	85	260	80	1,000-5,000	100-100	> 5,000	4-6
G-25 coarse	> 100	#	87	510	290	1,000-5,000	100-5,000	> 5,000	4-6
G-50 superfine	20	50	20	80	13.5	1,000-30,000	500-10,000	> 30,000	9-11
G-50 fine	20	80	34	208	36	1,000-30,000	500-10,000	> 30,000	9-11
G-50 coarse	100	300	200	610	400	1,000-30,000	500-10,000	> 30,000	9-11
G-75 superfine	20	50	22	143	#	3,000-70,000	1,000-100,000	> 70,000	12-15
G-75	40	120	90	280	#	3,000-80,000	1,000-50,000	> 70,000	12-15
G-100 superfine	10	40	25	100	#	4,000-100,000	1,000-100,000	> 100,000	15-20
G-100	40	120	100	310	#	4,000-150,000	1,000-100,000	> 150,000	15-20

* Darcy's Law: $U = K (\Delta P) (L^{-1})$

U = linear flow rate in cm/h; ΔP = pressure drop over bed in cm H₂O; L = bed height in cm; K = specific permeability constant of particle size and water regain

not provided by manufacturer