

DAISOGEI

C4-P Series



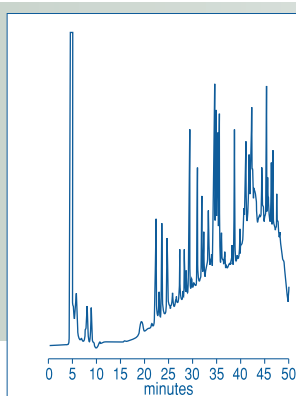
* Recommended for biological separation

* Quick separation of samples with wide range of hydrophobicity

* Available in four porosities

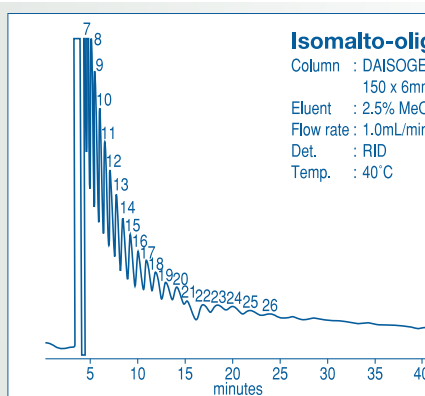
DAISOGEI C4-P packing materials are bonded with butyl groups and show moderate hydrophobicity. They are available in four pore sizes, 6, 12, 20 and 30 nm to optimise the separations depending on the size of the solute. 12, 20, and 30 nm materials are suited for the separation of peptides and proteins. Especially, larger pore silicas with less surface area are used to avoid denaturation of proteins. The phases are also useful for separating components within a wide range of hydrophobicity in one shot.

Applications



Tryptic digest of BSA

Column : DAISOGEI SP-300-5-C4-P
250 x 4.6mm I.D.
Eluent : A : 0.09% TFA
B : 0.085% TFA
+80% CH₃CN
min : 0-5-35-45-50
B : 5-5-50-100-100(%)
Temp. : Ambient



Isomalto-oligosaccharides

Column : DAISOGEI SP-120-5-C4-P
150 x 6mm I.D.
Eluent : 2.5% MeOH
Flow rate : 1.0mL/min
Det. : RID
Temp. : 40°C

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Product names and properties

Analytical Grades	Pore Size (nm)	Particle Size (μm)	Pore Volume (mL/g)	Surface Area (m ² /g)	% of Carbon	Minimum Lot (g)
SP-60-3-C4-P	6	3	0.75	450	10	50
SP-60-5-C4-P	6	5	0.75	450	10	50
SP-120-3-C4-P	12	3	1.0	300	7	50
SP-120-5-C4-P	12	5	1.0	300	7	50
SP-200-3-C4-P	20	3	1.1	200	5	50
SP-200-5-C4-P	20	5	1.1	200	5	50
SP-300-3-C4-P	30	3	0.9	100	3	50
SP-300-5-C4-P	30	5	0.9	100	3	50

Preparative Grades	Pore Size (nm)	Particle Size (μm)	Pore Volume (mL/g)	Surface Area (m ² /g)	% of Carbon	Minimum Lot (g)
SP-60-10-C4-P	6	10	0.75	450	10	500
SP-60-15-C4-P	6	15	0.75	450	10	500
SP-60-20-C4-P	6	20	0.75	450	10	500
SP-60-40/60-C4	6	50	0.75	450	10	500
SP-120-10-C4-P	12	10	1.0	300	7	500
SP-120-15-C4-P	12	15	1.0	300	7	500
SP-120-20-C4-P	12	20	1.0	300	7	500
SP-120-40/60-C4	12	50	1.0	300	7	500
SP-200-10-C4-P	20	10	1.1	200	5	500
SP-200-15-C4-P	20	15	1.1	200	5	500
SP-200-20-C4-P	20	20	1.1	200	5	500
SP-200-40/60-C4	20	50	1.1	200	5	500
SP-300-10-C4-P	30	10	0.9	100	3	500
SP-300-15-C4-P	30	15	0.9	100	3	500
SP-300-20-C4-P	30	20	0.9	100	3	500
SP-300-40/60-C4	30	50	0.9	100	3	500