

SELECTOSIL™

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SHODEX®

by Showa Denko K.K.

- High efficiency polymer columns
- Excellent mechanical and chemical stability
- Wide application range
- High temperature GPC applications

Nomenclature of Packing Materials

PHM	polyhydroxymethacrylate
PMM	polymethylmethacrylate
PS	polystyrene
PVA	polyvinyl alcohol
S-DVB	styrene-divinylbenzene co-polymer

Separation Modes

AFC	affinity chromatography
GPC	gel permeation chromatography (organic-soluble SEC)
GFC	gel filtration chromatography (water-soluble SEC)
HIC	hydrophobic interaction chromatography
IC	ion chromatography
IEC	ion-exchange chromatography
IEX	ion-exclusion chromatography
LEX	ligand-exchange chromatography
NPC	normal phase chromatography
P & A	partition and adsorption chromatography
RPC	reversed phase chromatography
SEC	size-exclusion chromatography (includes GPC & GFC)



Guide for Shodex Column Selection

Solubility	Molecular Weight	Separation Mode	Column	Page
Water-insoluble	over 2000	SEC	GPC KF-802.5-807, K-802.5-807, KD-802.5-807, KF-602.5-607, KF-402.5 HQ-406L HQ	222, 223
	under 2000	SEC	GPC KF-801-802.5, K-801-802.5, KD-801-802.5, LF-804, KF-601-602.5, KF-401 HQ-402.5L HQ	222, 223
under 2000		RPC	RSpak DE-413, 413L, DM-614	227
	Water-soluble	over 2000	SEC	OHpak SB-803-806HQ, SUGAR KS-803-806, PROTEIN KW-802.5-804
IEC			IEC QA-825, DEAE-825, SP-825, CM-825	225
AXpak WA-624			225	
HIC			HIC PH-814	225
RPC			RSpak RP18-415	227
AFFINITY			AFpak	225
under 2000	SEC	SB-802-802.5HQ, SUGAR KS-801-802	224	
	LEC	SUGAR SC1011, SP0810	225	
	IEX	RSpak KC-811, SUGAR SH1011, SUGAR SH1821	226, 225	
	IEC	AXpak WA-624	225	
	IC	IC SI-90 4E, SI-50 4E, IC I-524A, Y-521, YK-421, T-521	226	
	RPC	RSpak DE-613, 413, DS-613	227	
	NPC	SUGAR SZ5532, RSpak DC-613	225, 227	
	AFFINITY	AFpak	225	
CHIRAL	ORpak CDBS, CDA, CDB, CDC HQ	228		