

Packing Materials for Shodex Packed Columns

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Separation type	Products		Base material	Functional group
Reversed Phase, Hydrophilic Interaction and Normal Phase (Polymer-based)		ODP2 HP	Polyhydroxymethacrylate	–
	Asahipak	ODP-50 ODP-40	Polyvinyl alcohol	Octadecyl
	Asahipak	C8P-50	Polyvinyl alcohol	Octyl
	Asahipak	C4P-50	Polyvinyl alcohol	Butyl
	RSpak	RP18-415 DS	Styrene divinylbenzene copolymer	–
	RSpak	DE	Polymethacrylate	–
	RSpak	DM-614	Polyhydroxymethacrylate	–
	RSpak	NN	Polyhydroxymethacrylate	Sulfo
	RSpak	JJ-50	Polyvinyl alcohol	Quaternary ammonium
	HILICpak	VG-50	Polyvinyl alcohol	amino
	HILICpak	VT-50	Polyvinyl alcohol	Quaternary ammonium
	Asahipak	NH2P	Polyvinyl alcohol	amino
	ET-RP1	Polyvinyl alcohol	Octadecyl	
Reversed Phase, Hydrophilic Interaction and Normal Phase (Silica-based)	Silica	C18M C18P	Silica	Octadecyl
	Silica	5C8	Silica	Octyl
	Silica	5C4	Silica	Butyl
	Silica	5CN	Silica	Cyanopropyl
	Silica	5NPE	Silica	Nitrophenylethyl
	Silica	5PYE	Silica	Pyrenylethyl
	Silica	5SIL	Silica	–

	Silica	5NH	Silica	Aminopropyl
Ligand Exchange	SUGAR	SC1011 SC1821	Styrene divinylbenzene copolymer	Sulfo(Ca ²⁺)
	SUGAR	SC1211	Styrene divinylbenzene copolymer	Sulfo(Ca ²⁺)
	SUGAR	<u>SP0810</u>	Styrene divinylbenzene copolymer	Sulfo(Pb ²⁺)
	SUGAR	KS-800	Styrene divinylbenzene copolymer	Sulfo(Na ⁺)
	RSpak	DC-613	Styrene divinylbenzene copolymer	Sulfo(Na ⁺)
	SUGAR	SZ5532	Styrene divinylbenzene copolymer	Sulfo(Zn ²⁺)
	EP	SC1011-7F	Styrene divinylbenzene copolymer	Sulfo(Ca ²⁺)
	USPpak	MN-431	Styrene divinylbenzene copolymer	Sulfo(Ca ²⁺)
Ion Exclusion	SUGAR	SH1011 SH1821	Styrene divinylbenzene copolymer	Sulfo
	RSpak	KC-811	Styrene divinylbenzene copolymer	Sulfo
Ion Chromatography (Anion Analysis)	IC	NI-424	Polyhydroxymethacrylate	Quaternary ammonium
	IC	I-524A	Polyhydroxymethacrylate	Quaternary ammonium
	IC	SI	Polyvinyl alcohol	Quaternary ammonium
Ion Chromatography (Cation Analysis)	IC	YS-50	Polyvinyl alcohol	Carboxyl
	IC	YK-421	Silica	Carboxyl
	IC	Y-521	Styrene divinylbenzene copolymer	Sulfo
	IC	T-521	Styrene divinylbenzene copolymer	Sulfo
Aqueous SEC (GFC)	PROTEIN	KW-800	Silica	Hydrophilic polymer
		KW400	Silica	Hydrophilic polymer

	OHpak	SB-800 HQ	Polyhydroxymethacrylate	–
	OHpak	LB-800	Polyhydroxymethacrylate	–
Multimode	Asahipak	GS-HQ	Polyvinyl alcohol	–
Aqueous / Organic SEC	Asahipak	GF-HQ	Polyvinyl alcohol	–
	MSpak	GF-310	Polyvinyl alcohol	–
Organic SEC (GPC)	GPC	KF-800 KF- 400HQ KF-600	Styrene divinylbenzene copolymer	–
	GPC	K-800	Styrene divinylbenzene copolymer	–
	GPC	KD-800	Styrene divinylbenzene copolymer	–
	GPC	LF	Styrene divinylbenzene copolymer	–
	GPC	HFIP- 800 HFIP- 600	Styrene divinylbenzene copolymer	–
	GPC	HT-800	Styrene divinylbenzene copolymer	–
	GPC	UT-800	Styrene divinylbenzene copolymer	–
	GPC	AT-806S	Styrene divinylbenzene copolymer	–
Anion Exchange	IEC	QA-825	Polyhydroxymethacrylate	Quaternary ammonium
	IEC	DEAE- 825	Polyhydroxymethacrylate	Diethylaminoethyl
	IEC	DEAE3N	Polyhydroxymethacrylate	Diethylaminoethyl
	PIKES	DEAE- 2B	Polyhydroxymethacrylate	Diethylaminoethyl
	Asahipak	ES-502N	Polyvinyl alcohol	Diethylaminoethyl
	AXpak	WA-624	Polyhydroxymethacrylate	Diethylaminoethyl
Cation Exchange	IEC	SP-825	Polyhydroxymethacrylate	Sulfopropyl

	IEC	SP-420N	Polyhydroxymethacrylate	Sulfopropyl
	PIKESS	SP-2B	Polyhydroxymethacrylate	Sulfopropyl
	IEC	CM-825	Polyhydroxymethacrylate	Carboxymethyl
	Asahipak	ES-502C	Polyvinyl alcohol	Carboxymethyl
	CXpak	P-421S	Styrene divinylbenzene copolymer	Sulfo(Na ⁺)
Hydrophobic	HIC	PH-814	Polyhydroxymethacrylate	Phenyl
Affinity	AFpak	Various	Polyhydroxymethacrylate	Various ligand
Chiral Separation	ORpak	CDBS-453	Silica	β -Cyclodextrin derivative
	ORpak	CRX-853	Polyhydroxymethacrylate	L-Amino acid derivative
GPC Clean-up	CLNpak	EV	Styrene divinylbenzene copolymer	–
	CLNpak	PAE	Polyvinyl alcohol	–
Column Switching Preparation	MSpak	GF-4A	Polyvinyl alcohol	–