

USP (Ver. 35) Column List

No.	Packing Material	Recommended Column	Page
L1	Octadecyl silane chemically bonded to porous or non-porous silica or ceramic micro-particles, 1.5 to 10 µm in diameter, or a monolithic rod	Silica C18M	14
		Silica C18P	14
		C18	14
		ODSpak F-411	14
L3	Porous silica particles, 1.5 to 10 µm in diameter, or a monolithic silica rod.	Silica 5SIL	14
L7	Octylsilane chemically bonded to totally or superficially porous silica particles, 1.5 to 10 µm in diameter, or a monolithic silica rod.	Silica 5C8	14
L8	An essentially monomolecular layer of aminopropylsilane chemically bonded to totally porous silica gel support, 1.5 to 10 µm in diameter	Silica 5NH	14
L10	Nitrile groups chemically bonded to porous silica particles, 1.5 to 10 µm in diameter	Silica 5CN	14
L11	Phenyl groups chemically bonded to porous silica particles, 1.5 to 10 µm in diameter	Silica 5NPE	14
L17	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzenecopolymer in the hydrogen form, 6 to 12 µm in diameter	SUGAR SH1011	20
		SUGAR SH1821	20
		RSpak KC-811	20
		IC Y-521	24
L19	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzenecopolymer in the calcium form, about 9 µm in diameter	SUGAR SC1011	16
		SUGAR SC1821	16
		SUGAR SC1211	16
		USPpak MN-431	16
L20	Dihydroxypropane groups chemically bonded to porous silica or hybrid particles, 1.5 to 10 µm in diameter	PROTEIN KW-800 series	28
		KW400 series	28
L21	A rigid, spherical styrene-divinylbenzene copolymer, 3 to 30 µm in diameter	GPC KF,K,KD,HFIP,LF,AT,UT series	36, 38, 40, 42,44, 46, 48
		RSpak DS-613	10
		RSpak DS-413	10
		RSpak RP18-415	10
L22	A cation-exchange resin made of porous polystyrene gel with sulfonic acid groups, about 10 µm in size	CXpak P-421S	54
		SUGAR SP0810	16
		SUGAR SC1011	16
		SUGAR SC1821	16
		SUGAR KS-800 series	16
		SUGAR SC1211	16
		SUGAR SZ5532	16
		USPpak MN-431	16
		RSpak DC-613	16
		SUGAR SH1011	20
		SUGAR SH1821	20
		RSpak KC-811	20
IC Y-521	24		
L23	An anion-exchange resin made of porous polymethacrylate or polyacrylate gel with quaternary ammonium groups, 7-12 µm in size	IEC QA-825	52
L25	Packing having the capacity to separate compounds with a molecular weight range from 100-5000 (as determined by polyethylene oxide), applied to neutral, anionic, and cationic water-soluble polymers. A polymethacrylate resin base, cross-linked with polyhydroxylated ether (surface contained some residual carboxyl functional groups) was found suitable	OHpak SB-802 HQ	30
		OHpak SB-802.5 HQ	30
L26	Butyl silane chemically bonded to totally porous silica particles, 1.5 to 10 µm in diameter	Silica 5C4	14
L33	Packing having the capacity to separate dextrans by molecular size over a range of 4,000 to 500,000Da. It is spherical, silica-based, and processed to provide pH stability	PROTEIN KW-800 series	28
		KW400 series	28
L34	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the lead form, about 7 to 9 µm in diameter	SUGAR SP0810	16
L37	Packing having the capacity to separate proteins by molecular size over a range of 2,000 to 40,000 Da. It is a polymethacrylate gel	OHpak SB-803 HQ	30
L38	A methacrylate-based size-exclusion packing for water-soluble samples	OHpak SB-800 HQ series	30
L39	A hydrophilic polyhydroxymethacrylate gel of totally porous spherical resin	OHpak SB-800 HQ series	30
		ODP2 HP RSpak DM-614	6, 58 10
L45	Beta cyclodextrin, R,S-hydroxypropyl ether derivative, bonded to porous silica particles, 5 to 10 µm in diameter	ORpak CDBS-453	56
L58	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the sodium form, about 6 to 30 µm diameter	CXpak P-421S	54
		SUGAR KS-800 series	16
		RSpak DC-613	16
L59	Packing for the size-exclusion separations of proteins (separation by molecular weight) over the range of 5 to 700kDa. It is spherical (1.5 - 10 µm), silica or hybrid packing with a hydrophilic coating.	PROTEIN KW-800 series	28
		KW400 series	28
L67	Porous vinyl alcohol copolymer with a C18 alkyl group attached to the hydroxyl group of the polymer, 2 to 10 µm in diameter	Asahipak ODP-40	8, 58
		Asahipak ODP-50	
		ET-RP1	56
L71	A rigid, spherical polymethacrylate, 4 to 6 µm in diameter	RSpak DE-613	10
		RSpak DE-413	10
		RSpak DE-213	10, 58