

USP Column List

No.	Packing Material	Recommended Column	Page
L 1	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 1.5 to 10µm in diameter, or a monolithic rod.	Silica C18M	12, 58
		Silica C18P	12
		ODSpak F-411	12
L 3	Porous silica particles, 5 to 10µm in diameter.	Silica 5SIL	12
L 7	Octylsilane chemically bonded to totally porous silica particles, 1.5 to 10µm in diameter.	Silica 5C8	12
L 8	An essentially monomolecular layer of aminopropylsilane chemically bonded to totally porous silica gel support, 3 to 10µm in diameter.	Silica 5NH	12
L 10	Nitrile groups chemically bonded to porous silica particles, 3 to 10µm in diameter.	Silica 5CN	12
L 11	Phenyl groups chemically bonded to porous silica particles, 1.5 to 10µm in diameter.	Silica 5NPE	12
L 13	Trimethylsilane chemically bonded to porous silica particles, 3 to 10µm in diameter.	Silica 5TMS	12
L 17	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the hydrogen form, 7 to 11µm in diameter.	SUGAR SH1011 and RSpak KC-811	24, 28, 58
L 19	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the calcium form, about 9µm in diameter.	SUGAR SC1011	24
		USPpak MN-431	24, 56
L 20	Dihydroxypropane groups chemically bonded to porous silica particles, 5 to 10µm in diameter.	PROTEIN KW-800 Series	32
L 21	A rigid, spherical styrene-divinylbenzene copolymer, 5 to 10µm in diameter.	RSpak DS-613	8
		RSpak RP18-415	8
		(3.5µm RSpak DS-413 and 3.5µm RSpak RP18-413 may be suitable)	8
		GPC, KF, K, KD, LF Series	40, 46
L 22	A cation-exchange resin made of porous polystyrene gel with sulfonic acid groups, about 10µm in size.	SUGAR SH1011	24
		RSpak DC-613	10
		RSpak KC-811	28, 58
		SUGAR SP0810	24
		SUGAR SC1011	24
		SUGAR KS-800 Series USPpak MN-431	24 24, 56
L 23	An anion-exchange resin made of porous polymethacrylate or polyacrylate gel with quaternary ammonium groups, about 10µm in size.	IEC QA-825	16
L 25	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	34
L 26	Butyl silane chemically bonded to totally porous silica particles, 3 to 10µm in diameter.	Silica 5C4	12
L 33	Packing having the capacity to separate dextrans by molecular size over a range of 4,000 to 500,000 daltons. It is spherical, silica-based, and processed to provide pH stability.	PROTEIN KW-802.5	34
		PROTEIN KW-803	34
L 34	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the lead form, about 9µm in diameter.	SUGAR SP0810	24
L 37	Packing having the capacity to separate proteins by molecular size over a range of 2,000 to 40,000 daltons. It is a polymethacrylate gel.	OHpak SB-803 HQ	34
L 38	A methacrylate-based size-exclusion packing for water-soluble samples.	OHpak SB-800 HQ series	34
L 39	A hydrophilic polyhydroxymethacrylate gel of totally porous spherical resin.	OHpak SB-800 HQ series	34
		RSpak DM-614	8
L 45	Beta cyclodextrin bonded to porous silica particles, 5 to 10µm in diameter.	ORpak CDBS-453	33
L 58	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the sodium form, about 7 to 11µm diameter.	6-17µm SUGAR KS-800 series may be suitable	24
L 59	Packing having the capacity to separate proteins by molecular weight over the range of 10 to 500 kDa. It is spherical (10µm), silica-based, and processed to provide hydrophilic characteristics and pH stability.	PROTEIN KW-803	32

EP Column List

MD Scientific is authorised distributor in Denmark for Shodex
www.md-scientific.dk - 7027 8565 - info@md-scientific.dk

EP: European Pharmacopeia Method

Version date	Reference Number	Monograph	Recommended Column		
			Product Name	Product Code	Page
04/2005	2117	Calcium Lactate Monohydrate	EP SC1011-7F	F6379300	24, 56
04/2005	0468	Calcium Lactate Pentahydrate	EP SC1011-7F	F6379300	8
04/2005	0469	Calcium Lactate Trihydrate	EP SC1011-7F	F6379300	24, 56
04/2005	2118	Calcium Lactate, Anhydrous	EP SC1011-7F	F6379300	24, 56
07/2005	1415	Diethylene Glycol Palmitostearate	KF-802	F6028020	40
01/2005	1420	Enalapril Maleate	DS-413	F7001012	8
01/2005	1803	Erythritol	EP SC1011-7F	F6379300	24, 56
01/2005	1421	Ethylene Glycol Monopalmitostearate	KF-802	F6028020	40
01/2005	1912	Fish Oil, Rich in Omega-3-acids	KF-802	F6028020	40
07/2006	1724	Formoterol Fumarate Dihydrate	ODP-50 4D	F7620004	6
04/2005	1427	Glycerol Dibehenate	KF-802	F6028020	40
04/2007	1428	Glycerol Distearate	KF-802	F6028020	40
01/2005	1429	Glycerol Monolinoleate	KF-802	F6028020	40
01/2007	1430	Glycerol Mono-Oleate	KF-802	F6028020	40
04/2007	0495	Glycerol Monostearate 40-55	KF-802	F6028020	40
01/2005	0861	Haemofiltration and Haemodiafiltration	EP SC1011-7F	F6379300	24, 56
01/2005	0828	Heparins, Low-Molecular-Mass	KW-802.5	F6989000	32
01/2006	0255	Human Albumin Solution	KW-803	F6989103	32
01/2006	0338	Human Normal Immunoglobulin	KW-803	F6989103	32
01/2006	0918	Human Normal Immunoglobulin for Intravenous Administration	KW-803	F6989103	32
01/2007	1646	Human Plasma (Pooled and treated for Virus Inactivation)	EP SC1011-7F	F6379300	24, 56
01/2005	2084	Insulin Aspart	KW-802.5	F6989000	32
01/2005	2085	Insulin Lispro	KW-802.5	F6989000	32
01/2005	0854	Insulin Preparations, Injectable	KW-802.5	F6989000	32
01/2005	1637	Insulin, Bovine	KW-802.5	F6989000	32
01/2005	0838	Insulin, Human	KW-802.5	F6989000	32
01/2005	1638	Insulin, Porcine	KW-802.5	F6989000	32
01/2005	1440	Interferon Gamma-1b Concentrated Solution	KW-803	F6989103	32
01/2005	1440	Interferon Gamma-1b Concentrated Solution	SP-825	F6118250	14
01/2005	1531	Isomalt	EP SC1011-7F	F6379300	24, 56
01/2005	1337	Lactitol Monohydrate	EP SC1011-7F	F6379300	24, 56
01/2005	2052	Macrogol 15 Hydroxystearate	KW-802.5	F6989000	32
01/2005	2080	Malic Acid	KC-811	F6378030	28
07/2006	1236	Maltitol, Liquid	EP SC1011-7F	F6379300	24, 56
01/2007	0559	Mannitol	EP SC1011-7F	F6379300	24, 56
07/2007	1805	myo-Inositol	EP SC1011-7F	F6379300	24, 56
01/2005	1457	Olsalazine Sodium	KC-811	F6378030	28
01/2005	2063	Omega-3-acid Ethyl Esters 60	KF-802	F6028020	40
01/2005	2063	Omega-3-acid Ethyl Esters 60	KF-803	F6028030	40
01/2006	1250	Omega-3-acid Ethyl Esters 90	KF-802	F6028020	40
01/2006	1250	Omega-3-acid Ethyl Esters 90	KF-803	F6028030	40
01/2005	1352	Omega-3-acid Triglycerides	KF-802	F6028020	40
01/2005	1352	Omega-3-acid Triglycerides	KF-803	F6028030	40
01/2005	1460	Pefloxacin Mesilate Dihydrate	ODP-50 6D	F7620002	6
01/2005	0862	Peritoneal Dialysis, Solutions For	EP SC1011-7F	F6379300	24, 56
01/2005	1469	Propylene Glycol Monopalmitostearate	KF-802	F6028020	40
01/2005	2087	Propylene Glycol Dilaurate	KF-802	F6028020	40
01/2005	1915	Propylene Glycol Monolaurate	KF-802	F6028020	40
01/2005	0435	Sorbitol	EP SC1011-7F	F6379300	24, 56
01/2005	0436	Sorbitol, Liquid (Crystallising)	EP SC1011-7F	F6379300	24, 56
01/2005	0437	Sorbitol, Liquid (Non-Crystallising)	EP SC1011-7F	F6379300	24, 56
01/2005	2048	Sorbitol, Liquid, Partially Dehydrated	EP SC1011-7F	F6379300	24, 56
01/2006	0951	Somatropin	KW-802.5	F6989000	32
01/2006	0950	Somatropin Bulk Solution	KW-802.5	F6989000	32
01/2006	0952	Somatropin for Injection	KW-802.5	F6989000	32