Science Together

KNAUER

KNAUER HPLC Phases
USP “L” code column listing

USP Code	USP Specifications	KNAUER Phases
L1	Octadecyl silane (ODS, C18) chemically bonded to porous silica or ceramic micro-particles, 1.5- 10 µm diameter, or a monolithic silica rod.	Eurospher 100 C18 Eurospher II 100 C18/C18A/C18H/C18P Eurosil Bioselect 300 C18/C18A ProntoSIL 60 C18H ProntoSIL 120 C18 AQ/C18 AQ Plus/C18 H/C18 SH ProntoSIL 200 C18 ace-EPS/C18 AQ/C18 H ProntoSIL Hypersorb 120 ODS ProntoSIL Spheribond 80 ODS1/ODS2 LiChrospher 100 RP 18/RP 18e
L3	Porous silica particles, 3-10 µm diameter, or a monolithic silica rod.	Eurospher 100 Si Eurospher II 100 Si ProntoSIL 120 Si LiChrospher 60/100 Si
L7	Octylsilane chemically (C8) bonded to totally porous silica particles, 1.5-10 µm diameter, or a monolithic silica rod.	Eurospher 100 C8 Eurospher II 100 C8/C8A Eurosil Bioselect 300 C8 ProntoSIL 120 C8 SH/C8 ace-EPS ProntoSIL 200 C8 SH ProntoSIL 300 C8 SH LiChrospher 100 RP 8/RP 8e LiChrospher 60 RP select B
L8	An essentially monomolecular layer of aminopropylsilane (NH2) chemically bonded to totally porous silica gel support, 3-10 µm diameter.	Eurospher 100 NH2 Eurospher II 100 NH2 ProntoSIL 120 Amino LiChrospher 100 NH2
L10	Nitrile groups (CN) chemically bonded to porous silica particles, 3-10 µm diameter.	Eurospher 100 CN Eurospher II 100 CN ProntoSIL 120 CN LiChrospher 100 CN
L11	Phenyl groups chemically bonded to porous silica particles, 1.5-10 µm diameter.	Eurospher II 100 Phenyl ProntoSIL 120 Phenyl
L13	Trimethylsilane (C1) chemically bonded to porous silica particles, 3-10 µm diameter.	ProntoSIL 120 C1
L17	Strong cation exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the hydrogen form, 7-11 µm diameter	Eurokat H

L19	Strong cation exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the calcium form, about 9 µm diameter	Eurokat Ca
L20	Dihydroxypropane (Diol) groups chemically bonded to porous silica particles, 5-10 µm diameter	Eurospher 100 Diol Eurospher II 100 Diol LiChrospher 100 Diol ProntoSIL 120 Diol
L21	A rigid, spherical styrenedivinylbenzene copolymer, 3 to 30 µm in diameter.	AppliChrom ABOA StyDiViBe-P
L25	Packing having the capacity to separate compounds with a MW range from 100 to 5 000 Da (as determined by polyethylene oxide), applied to neutral, anionic and cationic water-soluble polymers.	AppliChrom ABOA SuperOH-P-200
L26	Butyl silane (C4) chemically bonded to totally porous silica particles, 3-10 µm diameter	Eurospher II 100 C4 Eurosil Bioselect 300 C4 ProntoSIL 120 C4
L34	Strong cation exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the lead form, about 9 µm diameter	Eurokat Pb
L 37	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.	AppliChrom ABOA SuperOH-P-250/300
L38	A methacrylate-base size-exclusion packing for water-soluble samples.	AppliChrom ABOA SuperOH-P-200/250/300/350/400/450
L39	A hydrophilic-polyhydroxymethacrylate gel of totally porous spherical resin.	AppliChrom ABOA SuperOH-P-200/250/300/350/400/450
L40	Cellulose tris-3,5-dimethylphenylcarbamate coated porous silica particles, 5-20 µm diameter	Eurospher II 1000 Chiral OM
L51	Amylose tris-3,5-dimethylphenylcarbamate coated porous, spherical silica particles, 5-10 µm diameter	Eurospher II 1000 Chiral AM Eurospher II 1000 Chiral AM-R
L58	Strong cation-exchange resin consisting of sulfonated crosslinked styrene-divinylbenzene copolymer in the sodium form, about 6 to 30 µm in diameter.	Eurokat Na
L62	C30 silane bonded phase on a fully porous spherical silica, 3 to 15 µm in diameter	ProntoSIL 200 C30
L93	Cellulose tris(3,5-dimethylpheylcarbamate) reversed phase chiral stationary phase coated on 3 or 5 µm silica gel particles	Eurospher II 1000 Chiral OM-R
L##	Octadecyl silande (ODS) chemically bonded to porous silica with alternative endcapping.	Eurospher II 100 DNPH

L##	Modern HILIC-Phase with zwitterionic modification on the basis of ammonium-sulfonic acid with outstanding mechanical and chemical stability.	Eurospher II 100 HILIC
L##	Covalently Immobilized brush-type phase with broad generality	Eurospher II 100 NR Eurospher II 100 NR-R
L##	Organic polymer base material of high porosity for high resolution for the GPC/SEC analysis of PMMA, PAN, cellulose, soluble DMF, DMAc polymers	AppliChrom ABOA DMAC-Phil
L##	Polymer based GPC/SEC columns specially designed for the analysis of aqueous solutions of polycations, polyamines, polyethylenoxided, polysaccharides and polyanions.	AppliChrom ABOA CatPhil-P
L##	Interactionfree pure GPC/SEC column with large porevolumne and low packpressure, about 12µm particle size, for the analysis in DMSO	AppliChrom ABOA DMSO-PHIL-P