



COLUMN SELECTION BY USP SPECIFICATIONS

The following list of USP (United States Pharmacopoeia) column specifications (USP 24) includes a selection of recommended columns within each category. For most cases there are several columns available within a given category, but in a few indicated instances a packing very closely fitting the specification has been included.

L1	Octadecylsilane chemically bonded to porous silica or ceramic particles, 3 to 10um in diameter. Widely available
L2	Octadecylsilane chemically bonded to silica gel of a controlled surface porosity that has been bonded to a solid spherical core, 30 to 50um in diameter. Pellicular ODS (Whatman)
L3	Porous silica particles, 3 to 10um in diameter. Widely available
L4	Silica gel of controlled surface porosity bonded to a solid spherical core, 30 to 50um in diameter. Pellicular ODS (Whatman)
L5	Alumina of controlled surface porosity bonded to a solid spherical core, 30 to 50um in diameter. Please enquire
L6	Strong cation exchange packaging - sulphonated fluoro carbon polymer coated on a solid spherical core, 30 to 50um in diameter. Please enquire
L7	Octylsilane chemically bonded to totally porous silica particles, 3 to 10um in diameter. Widely available
L8	An essentially monomolecular layer of aminopropylsilane chemically bonded to a totally porous silica gel support, 10um in diameter. Widely available
L9	10um irregular, totally porous silica gel, with a chemically bonded strongly acidic cation exchange coating. Partisil 10 SCX
L10	Nitrile groups chemically bonded to porous silica particles, 3 to 10um in diameter. Widely available
L11	Phenyl groups chemically bonded to porous silica particles, 5 to 10 um in diameter. Widely available
L12	Strong anion exchange packing made by chemically bonding a quaternary amine to a solid silica spherical core, 30 to 50um in diameter. Fractogel EMD TMAE(S)
L13	Trimethylsilane chemically bonded to porous silica particles, 3 to 10um in diameter. Zorbax TMS YMC TMS Hypersil SAS
L14	Silica gel, 10um in diameter, with a chemically bonded strongly basic quaternary ammonium anion exchanger coating. Nucleosil SB Exsil SAX Partisil SAX
L15	Hexylsilane chemically bonded to totally porous silica particles, 3 to 10um in diameter. Exsil C6 Chromegabond C6 Spherisorb
L16	Dimethylsilane chemically bonded to totally porous silica particles, 5 to 10um in diameter. Nucleosil C2 Chromegabond C2

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L17	Strong cation exchange resin consisting of sulphonated cross-linked styrene-divinylbenzene copolymer in the hydrogen form, 7 to 11um in diameter. Hamilton HC-75 H+ Interaction Coregel 87H SynChropak H-CHO (SCX) Hyper REZ XP
L18	Amino and cyano groups chemically bonded to porous silica particles, 3 to 10um in diameter. Partisil PAC
L19	Strong cation exchange resin consisting of sulphonated cross-linked styrene-divinylbenzene copolymer in the calcium form, about 9um in diameter. Hamilton HC-75 Ca 2+
L20	Dihydroxypropane groups chemically bonded to totally porous silica particles, 5 to 10um in diameter. Chromegabond Diol YMC Diol LiChrospher Diol Nucleosil Diol
L21	A rigid, spherical styrene-divinylbenzene copolymer, 5 to 10 um in diameter. Hamilton PRP-1 Polymer Labs PLRP-S
L22	A cation exchange resin made of porous polystyrene gel with sulphonic acid groups, about 10um in size Hamilton PRP-X200
L23	An ion exchange resin made of porous polymethacrylate or polyacrylate gel with quaternary ammonium groups, about 10um in size. TSK-GEL Q-5PW
L24	A semi-rigid hydrophilic gel of vinyl polymers with numerous hydroxyl groups on the matrix surface, 32 to 63um in diameter. Toyopearl HW 40F1
L25	Packing having the capacity to separate compounds with a molecular weight range from 100 to 5000 daltons (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. TSK -GEL G2500
L26	Butylsilane chemically bonded totally porous silica particles, 5 to 10um in diameter. Widely available
L27	Porous silica particles, 30 to 50um in diameter. YMC silica LiChroprep silica Zorbax silica HyperPrep silica Develosil silica
L28	A multifunctional support which consists of a high purity 100A spherical silica substrate that has been bonded with anionic (amine) functionality in addition to a conventional reversed-phase C8 functionality. Alltech Mixed mode
L29	Gamma alumina, reversed-phase, low carbon percentage by weight, alumina-based polybutadiene spherical particles, 5um in diameter with a pore diameter of 80A. GammaBond RP1
L30	Ethyl silane chemically bonded to totally porous silica particles, 3 to 10um in diameter. As for L16
L31	A strong anion exchange resin-quaternary amine bonded on latex particles attached to a core of 8.5um macroporous particles having a pore size of 2000A and consisting of ethylvinylbenzene cross-linked with 55% divinylbenzene OMNipac PAX-100
L32	A chiral ligand-exchange packing - L-proline copper complex covalently bonded to irregularly shaped silica particles, 5 to 10um in diameter. Nucleosil Chiral-1 Chiralpak WH
L33	Packing having the capacity to separate proteins by molecular size over a range from 4,000 to 400,000 daltons. It is a spherical, silica-based and processed to provide pH stability. Zorbax GF-250

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- L34 Strong cation exchange resin consisting of sulphonated cross-linked styrene-divinylbenzene copolymer in the lead form, about 9um in diameter
Hamilton HC-75 Pb2+
- L35 A zirconium-stabilised spherical silica packing with a hydrophilic (diol-type) molecular monolayer bonded phase having a pore size of 150A.
Zorbax GF-250
- L36 A 3,5-dinitrobenzoyl derivative of L-phenylglycine covalently bonded to 5um aminopropyl silica.
Hichrom CHIRA-chrom-1
- L37 Polymethacrylate gel packing having the capacity to separate proteins by molecular size over a range of 2,000 to 40,000 daltons.
- L38 A methacrylate-based size-exclusion packing for water-soluble samples.
Shodex RSpak DE-613
- L39 A hydrophilic polyhydroxymethacrylate gel of totally porous spherical resin.
Shodex OHPak SB-800
- L40 Cellulose tris-3,5-dimethylphenylcarbamate coated porous silica particles, 5 to 20um in diameter.
CHIRALCEL OD
- L41 Immobilized @1-acid glycoprotein spherical silica particles, 5um in diameter
Chiral AGP
- L42 Octylsilane and octadecylsilane groups chemically bonded to porous silica particles, 5um in diameter.
Hichrom RPB
- L43 Pentafluorophenyl groups chemically bonded to porous silica particles, 5 to 10um in diameter.
Chromegabond PFP
- L44 A multifunctional support which consists of a high purity 60A spherical silica substrate that has been bonded with a cationic exchanger, sulphonic acid functionality in addition to a conventional reversed-phase C8 functionality.
Chromegabond PFP
- L45 Beta cyclodextrin bonded to porous silica particles, 5 to 10um in diameter
ChiraDex
- L46 Polystyrene/divinylbenzene substrate agglomerated with quaternary amine functionalized latex beads, 10um in diameter
CarboPac PA1
- L47 High capacity anion exchange microporous substrate, 8um in diameter, dimension 250x4.0mm
CarboPac MA1 (Dionex)
- L48 Sulphonated, cross linked polystyrene with an outer layer of sub-micron porous, anion exchange microbeads, 15um in diameter
- L49 Amylose tris-3,5-dimethylphenylcarbamate-coated, porous, spherical silica particles, 5 to 10um in diameter
CHIRALPAK AD
- L50 A strong cation exchange resin made of porous silica with a sulphopropyl groups, 5 to 10um in diameter
TSK IC SW

**For complete Product Description, Chromatograms
Price & Delivery in Australia & New Zealand contact
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