



USP 該当 HPLC カラムはこれで決まり！

米国薬局方 (USP) に該当する TSKgel カラム一覧

米国薬局方 (USP) では液体クロマトグラフィー (HPLC) に用いる充填剤が特性ごとに分類 (L+番号) されています。USP による分類とそれに該当する TSKgel カラムの一覧を以下に示します。

● USP 43-NF 38 該当 TSKgel カラムリスト

分類	記載事項	TSKgel
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	TSKgel ODS-100S, ODS-100Z, ODS-80Ts, TSKgel ODS-80Tm, ODS-120A, ODS-120T, TSKgel ODS-120H, Super-ODS
L3	Porous silica particles, 1.5 to 10 μm in diameter, or a monolithic silica rod.	TSKgel Silica-60, Silica-150
L7	Octylsilane chemically bonded to totally or superficially porous silica particles, 1.5 to 10 μm in diameter, or a monolithic silica rod.	TSKgel Octyl-80Ts, Super-Octyl
L9	Irregular or spherical, totally porous silica gel having a chemically bonded, strongly acidic cation-exchange coating, 3 to 10 μm in diameter.	TSKgel SP-2SW
L10	Nitrile groups chemically bonded to porous silica particles, 1.5 to 10 μm in diameter, or a monolithic silica rod.	TSKgel CN-80Ts
L11	Phenyl groups chemically bonded to porous silica particles, 1.5 to 10 μm in diameter, or a monolithic silica rod.	TSKgel Super-Phenyl
L13	Trimethylsilane chemically bonded to porous silica particles, 3 to 10 μm in diameter	TSKgel TMS-250
L14	Silica gel having a chemically bonded strongly basic quaternary ammonium anion-exchange coating, 5 to 10 μm in diameter.	TSKgel QAE-2SW
L18	Amino and cyano groups chemically bonded to porous silica particles, 3 to 10 μm in diameter	TSKgel CN-80Ts, NH ₂ -100 (3 μm), NH ₂ -60
L21	A rigid, spherical styrenedivinylbenzene copolymer, 3 to 30 μm in diameter	TSKgel H _x , H _{HR} , SuperHシリーズ TSKgel MultiporeH _x , SuperMultiporeH _z シリーズ
L23	An anion-exchange resin made of porous polymethacrylate or polyacrylate gel with quaternary ammonium groups, 7 - 12 μm in size	TSKgel SuperQ-5PW, BioAssist Q
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	TSKgel G2500PW _x , G2500PW, Alpha-2500 TSKgel G-Oligo-PW, SuperOligoPW, TSKgel SuperAW2500
L26	Butyl silane chemically bonded to totally porous silica particles, 1.5 to 10 μm in diameter	TSKgel Protein C+300
L33	Packing having the capacity to separate dextrans by molecular size over a range of 4,000 to 500,000 Da. It is spherical, silica-based, and processed to provide pH stability	TSKgel G3000SW _x , G3000SW, UP-SW3000 TSKgel SuperSW3000, SuperSW mAb HR, TSKgel SuperSW mAb HTP, TSKgel UltraSW Aggregate
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	TSKgel G3000PW _x , G3000PW, Alpha-3000, TSKgel SuperAW3000
L38	A methacrylate-based size-exclusion packing for water-soluble samples	TSKgel PW, PW _x , Alpha, SuperAW 各シリーズ
L39	A hydrophilic polyhydroxymethacrylate gel of totally porous spherical resin	TSKgel PW, PW _x , Alpha, SuperAW 各シリーズ
L52	A strong cation exchange resin made of porous silica with sulfopropyl groups, 5 to 10 μm in diameter	TSKgel SP-2SW
L59	Packing for the size-exclusion separations of proteins (separation by molecular weight) over the range of 5 to 7000 kDa. The packing is spherical 1.5 - 10 μm, silica or hybrid packing with a hydrophilic coating.	TSKgel UP-SW3000, UP-SW2000 TSKgel UltraSWシリーズ, SW _x シリーズ TSKgel SuperSWシリーズ
L67	Porous vinyl alcohol copolymer with a C18 alkyl group attached to the hydroxyl group of the polymer, 2 to 10 μm in diameter.	TSKgel Octadecyl-4PW, -2PW
L68	Spherical, porous silica, 10 μm or less in diameter, the surface of which has been covalently modified with alkyl amide groups and not endcapped	TSKgel Amide-80
L89	Packing having the capacity to separate compounds with a molecular weight range from 100 - 3000 (as determined by polyethylene oxide), applied to neutral and anionic water-soluble polymers. A polymethacrylate resin base, crosslinked with polyhydroxylated ether	TSKgel G-Oligo-PW, SuperOligo-PW, TSKgel G2500PW _x TSKgel Alpha-2500, SuperAW2500
L96	Alkyl chain, reversed-phase bonded totally or superficially porous silica designed to retain hydrophilic and other polar compounds when using highly aqueous mobile phases, including 100% aqueous, 1.5 to 10 μm.	TSKgel ODS-100V, ODS-120H, ODS-80Ts
L118	Aqueous polymerized C18 groups on silica particles, 1.2 to 5 μm in diameter	TSKgel ODS-120T, ODS-120A, ODS-100S, TSKgel ODS-100Z

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※ "TSKgel", "TSKgel SuperMultipore", "TSKgel SuperOligo", "SuperOligo" は日本等における東ソー株式会社の登録商標です
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