

ВЭЖХ колонки – европейская фармакопея

L	Описание сорбента	Торговое название	Производитель
L1	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 1.5 to 10 µm in diameter, or a monolithic rod	ACE 300 C18 ACE C18 AccQTag Ultra ACQUITY UPLC BEH130 ACQUITY UPLC BEH 300 ACQUITY UPLC BEH C18 ACQUITY UPLC BEH Shield RP18 ACQUITY UPLC HSS T3 Adsorbosil C18 Adsorbosphere C18 Adsorbosphere HS C18 Adsorbosphere UHS C18 Adsorbosphere XL 300 C18 Adsorbosphere XL C18 Adsorbosphere XL C18-B Allsphere ODS-1 Allsphere ODS-2 Allure C18 Alltima C18 Alltima C18 LL Alltima HP C18 Alltima HP C18 EPS Alltima HP C18 Hi-Load Alltima HP C18 AQ Alltima HP C18 Amide Alltima WP C18 AlphaBond C18 Aminoquant APEX ODS Apollo C18 AQUA C18 Aquapore OD-300 C18 AQUASIL C18 Ascentis C18 ASI C18 ASI microC18 Atlantis dC18 Atlantis T3 Axxi-Chrom C18, ODS Bakerbond C18 BetaBasic 18 BetaMax Neutral BETASIL C18 BioBasic 18 Bio-Sil ODS Bio-Sil ODS-10 Bondclone C18 Burdick & Jackson C18 Cadenza CD-C18 Cadenza 5CD-C18 Cadenza CL-C18 Cadenza 5CL-C18	Advanced Chrom. Technol. Advanced Chrom. Technol. Waters Corp. Waters Corp. Waters Corp. Waters Corp. Waters Corp. Waters Corp. Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Restek Corp. Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Jones Agilent Phenomenex PerkinElmer, Inc.  Supelco Thermo Scientific Supelco Analytical Sciences Inc. Analytical Sciences Inc. Waters Corp. Waters Corp. Axxiom JT Baker Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific BIO-RAD Laboratories BIO-RAD Laboratories Phenomenex B&J Imtakt - Silvertone Sciences Imtakt - Silvertone Sciences Imtakt - Silvertone Sciences Imtakt - Silvertone Sciences



L1 cont	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 1.5 to 10 µm in diameter, or a monolithic rod	Fortis C18 Fortis H2o Gammabond C18 Gemini C18 Genesis C18 GraceSmart C18 Haisil 100, 300 C18 Haisil HL C18 Hi Chrom Reversible ODS Hibar II C18 Hibar ODS HxSil C18 HydroBond PS-C18 Hyperprep HS C18 Hypersil 100 C18 Hypersil BDS C18 Hypersil GOLD Hypersil GOLD aQ Hypersil-ODS Hypersil ODS-2 Hypersil Green PAH HyPURITY AQUASTAR HyPURITY C18 IBM Octadecyl Inertsil ODS Inertsil ODS series 1,2,3 ISCO C-18 J'Sphere ODS-H80 J'Sphere ODS-L80 J'Sphere ODS-M80 Jupiter C18 Kromasil C18 LiChrospher PAH LiChrosorb RP-18 LiChrospher 100 RP-18 LiChrospher RP18e Luna C18 Luna C18(2) Macrosphere 300 C18 MetaSil AQ C18 MetaSil ODS MetroSep C18H MetroSep C18AQ MetroSep C18 AQ+ MetroSep C18SH MetroSep C18EPS MicroSpher C18 MPLC RP-18 µBondapak C18 µBondapak C18 Radial-Pak Microsorb C18 MicroSpher C18 MonoChrom C18 nanoAcquity BEH130 nanoAcquity BEH300 Nova-Pak C18 NUCLEODUR C18 Gravity	Fortis Technologies Fortis Technologies ES Industries Phenomenex Grace – Jones Grace-Alltech Higgins Analytical Higgins Analytical Regis Inc. Merck KGaA Merck KgaA Hamilton Co. Mac-Mod Analytical, Inc. Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific Thermo Sceintific Thermo Sceintific Thermo Scientific IBM Instruments, Inc. GL Sciences GL Sciences ISCO, Inc. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd. Phenomenex EKA Nobel Merck KGaA Merck KGaA Merck KgaA Merck KGaA Phenomenex Phenomenex Grace - Alltech Varian Varian Metrohm-Peak, Inc. Metrohm-Peak, Inc. Metrohm-Peak, Inc. Metrohm-Peak, Inc. Metrohm-Peak, Inc. Varian PerkinElmer, Inc. Waters Corp. Waters Corp. Varian Varian Varian Waters Corp. Waters Corp. Waters Corp. Macherey-Nagel
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L1 cont	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 1.5 to 10 µm in diameter, or a monolithic rod	<p> NUCLEODUR C18 Isis  NUCLEODUR C18 Pyramid  NUCLEODUR 100 C18 ec  Nucleosil 100 C18  Nucleosil C18  Nucleosil C18 AB  Nucleosil C18 HD  Nucleosil C18 Nautilus  ODS Ultrapak  OmniSpher C18  Onyx C18  Partisil ODS  Partisil ODS2  Partisil ODS3  Partisphere C18  Peco HCODS  Pecosil C18  Pecosphere 3x8C  Pecosphere 3x8CR C18  Pecosphere 5x15CRT C18  Pecosphere-3C C18  Pecosphere-3CR C18  Pecosphere-3x3 C18  Peptica C18 serresA,B,C  Pfarma C18 series A,B,C  pHidelity C18  Pinnacle II C18  Pinnacle DB C18  Platinum C18  Platinum EPS C18  Platinum 300 C18  Polaris C18-A  Polaris C18-Ether  Polygosil 60-7 C18  Polygosil C18  Polygosil C18 60<sup>a</sup>  Premier C18  Prep Nova-Pak HR C18  Prevail C18  Prevail OA  Prevail Select C18  PrimeSphere C18-HC  Prodigy ODS(3)  ProntoSIL C18 H  ProntoSIL C18 SH  ProntoSIL C18 AQ  ProntoSIL C18 AQ Plus  ProntoSIL C18 ace-EPS  ProSphere 300 C18  ProSphere 300 PAH  ProSphere HP C18  ProSphere HP C18 AQ  ProSphere HP C18 ZAP!  Purospher RP-18  Purospher RP18e  Purospher STAR RP18e  Pursuit C18 </p>	<p> Macherey-Nagel  Macherey-Nagel  Macherey-Nagel  Macherey-Nagel  Macherey-Nagel  Macherey-Nagel  Macherey-Nagel  Macherey-Nagel  Macherey-Nagel  Beckman Instruments  Varian  Phenomenex  Whatman Inc.  Whatman Inc.  Whatman Inc.  Whatman Inc.  PerkinElmer, Inc.  PerkinElmer, Inc.  PerkinElmer, Inc.  PerkinElmer, Inc.  PerkinElmer, Inc.  PerkinElmer, Inc.  PerkinElmer, Inc.  PerkinElmer, Inc.  Diazem  Diazem  Restek Corp.  Restek Corp.  Restek Corp.  Grace - Alltech  Grace - Alltech  Grace - Alltech  Varian  Varian  Macherey-Nagel  Macherey-Nagel  Macherey-Nagel  Shimadzu  Waters Corp.  Grace - Alltech  Grace - Alltech  Grace - Alltech  Phenomenex  Phenomenex  Bischoff Chromatography  Bischoff Chromatography  Bischoff Chromatography  Bischoff Chromatography  Bischoff Chromatography  Grace - Alltech  Grace - Alltech  Grace - Alltech  Grace - Alltech  Grace - Alltech  Merck KGaA  Merck KGaA  Merck KGaA  Varian </p>
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L1 cont	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 1.5 to 10 µm in diameter, or a monolithic rod	Pursuit XRs C18 Radial-Pak C18 Reduced Activity C18 Regis ODS Resolve C18 Resolvex C18 Sarasep P C18 SelectaPore 90M, 300P, 300M Spectraphysics C18 Spheri-(5 and 10) RP-18 Spheri-(5 and 10) ODS C18 Spherisorb ODS1 Spherisorb ODS2 Spherisorb ODS-B Sunfire C18 Supelcosil LC-18 Supelcosil LC-18-DB Supelcosil LC-318 Superiorex Superspher 100 RP-18 Symmetry C18 SymmetryPrep C18 Symmetry300 C18 SymmetryShield RP18 SynChropak RPP SynChropak RPP-1000 SynChropak RPP-4000 SynChropak RPP-100 SynChropak RPS-100 Synergi Fusion-RP Synergi Hydro-RP Targa C18 TSKgel ODS-100V TSKgel ODS-100Z TSKgel ODS-100S TSKgel Super-ODS TSKgel ODS-80Tm TSKgel ODS-80Ts TSKgel ODS-120A TSKgel ODS-120T Ultra C18 Ultra Aqueous C18 Ultracarb ODS Ultrasphere ODS Ultrasphere C-18 Ultrasphere C-18-IP Unison UK-C18 Unison US-C18 Velosep RP-18 VisionHT C18 VisionHT C18-P Viva 300 C18 Vydac 201TP Vydac 202TP Vydac 218MS Vydac 218TP Vydac 238MS	Varian Waters Corp. No information available Regis Instruments Waters Corp. Fisher Scientific Transgenomic, Inc. The Separations Group, Inc. Spectra Physics Inc. PerkinElmer, Inc. PerkinElmer, Inc. Waters Corp. Waters Corp. Waters Corp. Waters Corp. Supelco Supelco Supelco Shiseido Merck, KgaA Waters Corp. Waters Corp. Waters Corp. Waters Corp. Eprogen, Inc. Eprogen, Inc. Eprogen, Inc. Eprogen, Inc. Eprogen, Inc. Phenomenex Phenomenex Higgins Analytical Tosoh Bioscience Tosoh Bioscience Tosoh Bioscience Tosoh Bioscience Tosoh Bioscience Tosoh Bioscience. Tosoh Bioscience Tosoh Bioscience Restek Corp. Restek Corp. Phenomenex Beckman Instruments Beckman Instruments Beckman Instruments Silvertone Sciences/Imtakt Silvertone Sciences/Imtakt PerkinElmer, Inc. Restek Corp. Grace-Alltech Grace-Alltech Grace - Vydac Grace - Vydac Grace - Vydac Grace - Vydac Grace - Vydac Grace - Vydac
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L2	Octadecyl silane chemically bonded to silica gel of a controlled surface porosity that has been bonded to a solid spherical core, 30 to 50 µm in diameter	Bondapak Prep C18 Pellicular C18 Permaphase ETH Permaphase ODS Wakopak Wakosil 40C18	Waters Corp. Grace - Alltech DuPont DuPont Wako Pure Chemical Ind.
L3	Porous silica particles, 5 to 10 µm in diameter	ACQUITY UPLC BEH HILIC Adsorbosil Silica Adsorbosphere HS Silica Adsorbosphere Silica Adsorbosphere XL Silica Allsphere Silica Alltima Silica Alltima HP Silica Alltima HP HILIC Allure Silica AlphaBond Silica APEX Si Aquapore SI-300 Ascentis Silica Atlantis HILIC Silica BETASIL Silica 100 Bondclone Silica Chromegasphere Chromolith Si ChromSpher Si Cogent HPS Silica Cogent MicroBee Silica Cosmosil SL-II Deltabond Silica Econosil Silica Econosphere Silica Exsil Silica Genesis Si Haisil 100 Hypersil Silica HyperPrep HS Silica Inertsil Silica Kromasil Si LiChrosorb Si 100 LiChrosorb Si 60 LiChrospher Si-60 LiChrospher Si-100 Luna Si MetaSil Basic Si MetaSil Silica MetaSil AQ Si µPorasil MicroSorb Si MicroSpher Si MonoChrom Si Nova-Pak Silica NUCLEODUR Silica Nucleosil Silica Partisil Silica Partisphere Silica Pinnacle II Silica Pinnacle DB Silica	Waters Corp. Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Restek Corp. Grace - Alltech Grace - Jones PerkinElmer, Inc. Supelco Waters Corp. Thermo Scientific Phenomenex ES Industries Merck KGaA Varian MicroSolv Techn. Corp. MicroSolv Techn. Corp. Nacalai Tesque, Inc. Thermo Electron Grace - Alltech Grace - Alltech SGE International Grace - Jones Higgins Analytical Thermo Scientific Thermo Scientific GL Sciences Eka Nobel Merck KGaA Merck KGaA Merck KGaA Merck KGaA Phenomenex Varian Varian Varian Waters Corp. Varian Varian Varian Waters Corp. Macherey-Nagel Macherey-Nagel Whatman Inc. Whatman Inc.  Restek Corp

L3 cont.	Porous silica particles, 5 to 10 µm in diameter	Platinum Silica Polaris Si Polygosil Silica Polygosil Si 100A Polygosil Si 60A Prep Nova-Pak HR Silica Prevail Silica Prodigy Silica ProntoSIL SI ProSphere Silica Purospher STAR Si Pursuit Si Pursuit XRs Si Resolve Silica Silica AG 120 Silica SG 80, 120 Si Ultrasphere Spheri-(5 and 10)-Si Spherisorb Silica Spherosil XOA 600 SunFire Silica Supelcosil LC-Si Supelcosil LC-3Si TSK-GEL Silica-60 Ultra Silica Ultrasphere Silica Unison UK-Silica Viva 300 Silica Vydac 101MS Vydac 101SP Vydac 101TP Wakopak Wakosil-II 5SIL-AQ Wakopak Wakosil 5SIL Wakopak Wakosil 10 SIL Wakopak Wakosil 5SIL-120 Wakopak Wakosil7SIL-120 Wakopak Wakosil 10SIL-120 Wakopak Wakosil 5SIL Prep YMC-Pack Silica 60, 120, 200, 300A Zodiac Sil Zorbax SIL Zorbax Rx-sil Zorbax Silica	Restek Corp. Grace - Alltech Macherey Nagel Varian Macherey Nagel Macherey Nagel Waters Corp. Grace – Alltech Phenomenex Bischoff Chromatography Grace – Alltech Merck KGaA  Waters Corp. Varian Varian Shiseido Shiseido Waters Corp. Beckman Instruments Waters Corp. Supelco Supelco Tosoh Bioscience Restek Corp. Beckman Instruments Imtakt - Silvertone Sciences Restek Corp. Grace - Vydac Grace - Vydac Grace – Vydac Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. YMC Co., Ltd. Zodiac Agilent Technologies Agilent Technologies Agilent Technologies
L4	Silica gel of controlled surface porosity bonded to a solid spherical core, 30 to 50 µm in diameter	Guard Si HC Pellosil Pellicular Silica Porasil Prep Silica Wakopak Wakosil 40 SIL	Varian Whatman Inc. Grace - Alltech Waters Corp. Wako Pure Chemical Ind.
L5	Alumina of controlled surface porosity bonded to a solid spherical core, 30 to 50 µm in diameter		



L6	Strong cation-exchange packing-sulfonated fluorocarbon polymer coated on a solid spherical core, 30 to 50 $\mu\text{m}$ in diameter	Adsorbosphere XL SCX Partisil SCX Zipax SCX	Grace - Alltech Whatman DuPont
L7	Octylsilane chemically bonded to totally porous silica particles, 1.5 to 10 $\mu\text{m}$ in diameter	ACE 300 C8 ACE C8 ACQUITY UPLC BEH C8 Adsorsobil C8 Adsorbosphere C8 Adsorbosphere XL 300 C8 Adsorbosphere XL C8 Adsorbosphere XL C8-B Allsphere C8 Alltech 600 RP8 Alltima C8 Alltima HP C8 AlphaBond C8 APEX C8 Aquapore RP-300 C8 AquaSep C8 Ascentis C8 B&J Octyl, High Ligand Dens Bakerbond C8 BetaBasic 8 BETASIL C8 BioBasic 8 Brownlee RP-8 Capcell C8 AG 120 Capcell C8 DD Capcell C8 SG 120, 300 Capcell C8 UG 120 Chomegabond WR-C8 Chromolith RP8e Chromspher C8 Clipeus C8 Cogent HPS C8 Cogent hQ C8 Cogent MicroBee C8 Cogent Simulare C8 Cogent e-Column C8 Cogent Bidentate C8 Columbus C8 Cosmosil C8 MS Cosmosil C8 AR-300 Diazem 300A C8 4-221 Diazem 6000 C8 Diazem C8 120A Diazem C8 4-203 Diazem C8 series 200A Diazem C8 6000 Diazem C8 6300 Diazem C8 DAC1 Diazem C8 Dual-Zone Diazem C8 DZM series 1,2,3,4 Diazem C8 EC3 300A Diazem C8EC 60A Diazem C8 MACH8	Advanced Chrom. Technol. Advanced Chrom. Technol. Waters Corp. Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Jones PerkinElmer, Inc. ES Industries Supelco Burdick & Jackson JT Baker Thermo Scientific Thermo Scientific Thermo Scientific PerkinElmer, Inc. Shiseido Shiseido Shiseido Shiseido ES Industries Merck KGaA Varian Higgins Analytical MicroSolv Techn. Corp. MicroSolv Techn. Corp. MicroSolv Techn. Corp. MicroSolv Techn. Corp. MicroSolv Techn. Corp. MicroSolv Techn. Corp. Phenomenex Nacalai Tesque, Inc. Nacalai Tesque, Inc. Diazem

L7 cont.	Octylsilane chemically bonded to totally porous silica particles, 1.5 to 10 µm in diameter	Diazem C8 P Diazem C8 S Diazem C8 SEBB-200 Diazem C8 series SEBP Diazem C8 SNPEC 300A Discovery C8 Discovery Bio Wide Pore C8 Eclipse XDB C8 Eclipse Rx C8 Eclipse SB C8 Econosil C8 Econosphere C8 Fortis C8 Genesis C8 Haisil 100, 300 C8 HS-5 C8 HxSil C8 HydroBond AQ HydroBond PS-C8 Hypersil BDS C8 Hypersil MOS Hypersil MOS-2 Hypersil HS C8 HyPurity C8 Inertsil C8 Inertsil C8-3 Kromasil C8 LiChrosorb RP LiChrosorb RP Select B LiChrospher 60 RP-select B LiChrospher 100 RP 8-E LiChrospher RP-Select B Luna C8 Luna C8(2) Macrosphere C8 Maxsil 5-C8 MetaSil C8 Microsorb C8 Monochrom C8 Nova-Pak C8 NUCLEODUR 100 C8 ec NUCLEODUR C8 Gravity Nucleosil C8 Nucleosil C8 ec Nucleosil C8 HD Nucleosil Protect I Onyx C8 Partisil C8 Partisphere C8 Pecosphere C8 Peptica C8 series A,B,C Pfarma C8 series A,B,C Pinnacle II C8 Pinnacle DB C8 Platinum C8 Platinum EPS C8 Platinum 300 C8	Diazem Diazem Diazem Diazem Diazem Supelco Supelco Agilent Technologies Agilent Technologies Agilent Technologies Grace - Alltech Grace – Alltech Fortis Technologies Grace - Jones Higgins Analytical PerkinElmer, Inc. Hamilton Co. Mac-Mod Analytical, Inc. Mac-Mod Analytical, Inc. Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific GL Sciences GL Sciences Eka Nobel Merck KGaA Merck KgaA Merck KGaA Merck KGaA Merck KGaA Phenomenex Phenomenex Grace - Alltech Phenomenex Varian Varian Varian Waters Corp. Macherey-Nagel Macherey-Nagel Macherey-Nagel Macherey-Nagel Macherey-Nagel Phenomenex Whatman Inc. Whatman Inc. PerkinElmer, Inc. Diazem Diazem Restek Corp Restek Corp. Grace - Alltech Grace - Alltech Grace – Alltech
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L7 cont.	Octylsilane chemically bonded to totally porous silica particles, 1.5 to 10 µm in diameter	Polaris C8-A Polaris C8-Ether Polygosil C8 Polygosil C8 60 <sup>a</sup> Prevail C8 Prodigy C8 ProntoSIL C8 SH ProntoSIL C8 ace-EPS Purospher STAR RP8e Pursuit C8 Pursuit XRs C8 RP-300 Aquapore Octyl Resolve C8 Resolvex C8 Spheri-(5 and 10) RP 8 Spheri-(5 and 10)-OSS C8 Spherisorb C8 Sunfire C8 Silica Supelcosil LC-308 Supelcosil LC-8 Superspher 60 RP-Select B Symmetry C8 SymmetryPrep C8 SymmetryShield RP8 SynChropak RP8 SynChropak RP8-1000 Targa C8 TSK-GEL Super-Octyl TSK-GEL Octyl-80Ts Ultra C8 Ultrasphere C-8 Octyl Ultrasphere ODS Ultremex C8 Unison UK-C8 Viva 300 C8 Vydac 208MS Vydac 208SP Vydac 208TP Vydac C8 Wakosil II 5C8 RS Wakopak Wakosil 5C8 HG Wakopak Wakosil 5C8 RS Wakopak Wakosil 3C8 RS Wakopak Wakosil 5C8 Whatman P-5 C8 RACII XBridge C8 XTerra MS C8 XTerra RP8 YMCbasic YMC-Pack Octyl C8 YMC Pack ProC8 Zodiac 120 C8 SH Zodiac C8 Zorbax C8 Zorbax Eclipse XDB-C8 Zorbax Eclipse Plus C8 Zorbax C8 150A	Varian Varian Macherey Nagel Macherey Nagel Grace – Alltech Phenomenex Bischoff chromatography Bischoff Chromatography Merck KGaA Varian Varian PerkinElmer, Inc. Waters Corp. Fisher Scientific PerkinElmer, Inc. PerkinElmer, Inc. Waters Corp. Waters Corp. Supelco Supelco Merck KGaA Waters Corp. Waters Corp. Waters Corp. Eprogen, Inc. Eprogen, Inc. Higgins Analytical Tosoh Bioscience Tosoh Bioscience Restek Corp. Beckman Instruments Beckman Instruments Phenomenex Imtakt - Silvertone Sciences Restek Corp. Grace - Vydac Grace - Vydac Grace - Vydac Grace - Vydac SGE International Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. Whatman Waters Corp. Waters Corp. Waters Corp. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd. Zodiac Zodiac Agilent Technologies Agilent Technologies Agilent Technologies Agilent Technologies
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L7 cont	Octylsilane chemically bonded to totally porous silica particles, 1.5 to 10 µm in diameter	Zorbax RX-C8 Zorbax SB-C8	Agilent Technologies Agilent Technologies
L8	An essentially monomolecular layer of aminopropylsilane chemically bonded to totally porous silica gel support, 3 to 10 µm in diameter	Adsorbosil NH2 Adsorbosphere NH2 Adsorbosphere XL NH2 Allsphere NH2 Alltima NH2 AlphaBond NH2 Allsphere NH2 Bondclone NH2 Capcell NH2 SG 80 Capcell NH2 UG 80 Carbohydrate Amino Chromegabond Amino Cogent HPS Amino Cogent MicroBee Amino Cogent Simulare Amino Econosil Amino Econosphere Amino Hypersil APS-2 Kromasil NH2 LiChrosorb NH2 LiChrospher NH2 Luna NH2 MetaSil NH2 µBondapak NH2 MicroSorb NH2 Nucleosil 100 NH2 Nucleosil NH2 PhenoSphere NH2 Pinnacle II Amino Pinnacle DB Amino Platinum NH2 Polaris NH2 Polygosil NH2 Polygosil NH2 60A ProntoSIL AMINO ProntoSIL AMINO H ProntoSIL AMINO E Purospher STAR NH2 Spheri-(5 and 10) amino Spherisorb NH2 Supelcosil LC-NH2 Supelcosil LC-NH2-NP TSK-GEL NH2-60 Ultra Amino Unison UK-Amino Wakopak Wakosil 5NH2 YMC-Pack NH2 Zorbax Carbohydrate Zorbax NH2	Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Phenomenex Shiseido Shiseido Grace - Alltech ES Industries MicroSolv Techn. Corp. MicroSolv Techn. Corp. MicroSolv Techn. Corp. Grace - Alltech Grace - Alltech Thermo Scientific Eka Nobel Merck KGaA Merck KgaA Phenomenex Varian Waters Corp. Varian Macherey-Nagel Macherey-Nagel Phenomenex Restek Corp. Restek Corp. Grace - Alltech Varian Macherey Nagel Macherey Nagel Bischoff Chromatography Bischoff Chromatography Bischoff Chromatography Merck KGaA Perkinelmer, Inc. Waters Corp. Supelco Supelco Tosoh Bioscience Restek Corp. Imtakt - Silvertone Sciences Wako Pure Chemical Ind. YMC Co., Ltd. Agilent Technologies Agilent Technologies
L9	Irregular or spherical, totally porous silica gel having a chemically bonded, strongly acidic cation-exchange coating, 3 to 10 µm in diameter.	Capcell UG SCX Chromegabond P-SCX Diazem C8 SCX Diazem SCX	Shiseido ES Industries Diazem Diazem

		Diazem SCX 4-204 IonoSpher C Luna SCX Maxsil SCX MetaSil SCX Nucleosil SA Partisil SCX Partisphere SCX Spherisorb SCX Supelcosil -SCX SynChropak S300 TSK-GEL SP-2SW Wakopak Wakosil 5SCX Zorbax SCX	Diazem Varian Phenomenex Phenomenex Varian Macherey-Nagel Whatman Inc. Whatman Inc. Waters Corp. Supelco, Inc. Eichrom Technologies, Inc. Tosoh Bioscience Wako Pure Chemical Ind. Agilent Technologies
L10	Nitrile groups chemically bonded to porous silica particles, 3 to 10 µm in diameter	ACE 300 CN ACE CN Adsorbosil CN Adsorbosphere CN Adsorbosphere CN-AQ Adsorbosphere XL CN Allsphere CN Alltima CN Alltima HP Cyano Allure Basix AlphaBond CN APEX CN BetaBasic CN BETASIL CN BioBasic CN Bondclone CN Capcell CN SG 120, 300 Capcell CN UG 120 Chromegabond CN Clipeus Cyano CN Ultrasphere Cogent HPS Cyano Cogent simulare Cyano Cogent MicroBee Cyano Cosmosil CN-MS DELTABOND CYANO Develosil CN-UG Diazem CN 120A, 200A Discovery Cyano Econosil CN Econosphere CN Exsil Cyano Genesis CN Hypersil BDS CN Hypersil CPS Hypersil CPS-2 Hyperprep GOLD CN HyPURITY CN Inertsil CN-3 LiChrosorb CN LiChrospher CN Luna CN MetaSil CN	Advanced Chrom. Technol. Advanced Chrom. Technol. Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Restek Corp. Alltech Associates, Inc. Grace - Jones Thermo Scientific Thermo Scientific Thermo Scientific Phenomenex Shiseido Shiseido ES Industries Higgins Analytical Beckman Instruments MicroSolv Techn. Corp. MicroSolv Techn. Corp. MicroSolv Techn. Corp. Nacalai Tesque, Inc. Thermo Electron Nomura Chemical Diazem Supelco, Inc. Grace - Alltech Grace - Alltech SGE International Grace – Jones Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific GL Sciences Merck KGaA Merck KGaA Phenomenex Varian

L10 cont.	Nitrile groups chemically bonded to porous silica particles, 3 to 10 µm in diameter	µBondapak CN MicroSorb CN NovaPak CN NovaPak CN HP NUCLEODUR 100 CN NUCLEODUR 100 CN-RP Nucleosil CN Nucleosil CN-RP Peptica CN-A Pinnacle II Cyano Pinnacle DB Cyano Platinum CN Polygosil CN Polygosil CN 60A ProntoSIL CN Prevail CN Regis Nitrile Resolve CN Spheri-(5 and 10)-CN Spherisorb CN Supelcosil LC-CN Supelcosil LC-PCN TSK-GEL CN-80Ts Ultra Cyano Ultrasphere CN Ultremex CN Wakopak Wakosil-II 5CN Wakopak Wakosil 5CN Wakopak Combi CN YMC-Pack CN Zodiac 120 CN Zorbax Eclipse XDB-CN Zorbax 300SB-CN Zorbax CN Zorbax SB-CN	Waters Corp. Varian Waters Corp. Waters Corp. Macherey-Nagel Macherey-Nagel Macherey-Nagel Macherey-Nagel Diazem Restek Corp Restek Corp. Grace - Alltech Macherey Nagel Macherey Nagel Bischoff Chromatography Grace - Alltech Regis Instruments Waters Corp. Perkinelmer, Inc. Waters Corp. Supelco Supelco Tosoh Bioscience Restek Corp. Beckman Instruments Phenomenex Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. YMC Co., Ltd. Zodiac Agilent Technologies Agilent Technologies Agilent Technologies Agilent Technologies
L11	Phenyl groups chemically bonded to porous silica particles, 1.5 to 10 µm in diameter	ACE 300 Phenyl ACE Phenyl ACQUITY UPLC BEH Phenyl Adsorbosphere Phenyl Adsorbosphere XL Phenyl Allsphere Phenyl Alltima Phenyl Allure Biphenyl alphaBond Phenyl APEX Phenyl Ascentis Phenyl BetaBasic Phenyl BETASIL Phenyl BETASIL Phenyl-hexyl BioBasic Phenyl Bondclone Phenyl Capcell Phenyl SG 120, 300 Capcell Phenyl UG 120 Chromegabond P-BD	Advanced Chrom. Technol. Advanced Chrom. Technol. Waters Corp. Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech Restek Corp. Grace - Alltech Grace – Jones Supelco Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific Phenomenex Shiseido Shiseido ES Industries

L11 Cont	Phenyl groups chemically bonded to porous silica particles, 1.5 to 10 µm in diameter	<p>Clipeus Phenyl  Cogent HPS Phenyl  Cogent Simulare Phenyl  Cogent MicroBee Phenyl  Cosmosil PE-MS  Cosmosil Ph-AR-300  Diazem Phenyl  Eclipse XDB Phenyl  Exsil Phenyl  Fortis Phenyl  Gemini C6-Phenyl  Genesis Phenyl  Hydrocell Phenyl NP10  Hydrocell Phenyl 1500  Hypersil BDS Phenyl  Hypersil Phenyl  Hypersil Phenyl-2  IBM Phenyl  IBM Phenyl-NP  Inertsil Ph ( Phenyl)  Inertsil Ph-3 (Phenyl)  Luna Phenyl-Hexyl  MetaSil Phenyl  µBondapak Phenyl  Microsorb Phenyl  NovaPak Phenyl  NUCLEODUR Sphinx RP  Nucleosil Phenyl  Nucleosil Phenyl ec  Peptica Phenyl series A,B,C  Pinnacle II Biphenyl  Pinnacle II Phenyl  Pinnacle DB Biphenyl  Pinnacle DB Phenyl  Platinum Phenyl  ProntoSIL Phenyl  Prevail Phenyl  Pursuit DiPhenyl  Pursuit XRs DiPhenyl  Spheri-(5 and 10)-Phenyl  Spherisorb Phenyl  Supelcosil LC-DP  Supelcosil LC-3DP  TSK-GEL Super-Phenyl  Ultra Phenyl  Ultra Techsphere 5 Phenyl  Unison UK-Phenyl  Viva 300 Biphenyl  Vydac 219MS  Vydac 219TP  Wakopak Wakosil 5Ph  YMC-Pack Phenyl  XBridge Phenyl  XTerra Phenyl  Zodiac 120 Phenyl  Zorbax Eclipse XDB-Phenyl  Zorbax Phenyl</p>	<p>Higgins Analytical  MicroSolv Tech. Corp.  MicroSolv Tech. Corp.  MicroSolv Tech. Corp.  Nacalai Tesque, Inc.  Nacalai Tesque, Inc.  Diazem  Agilent Technologies  SGE International  Fortis Technologies  Phenomenex  Grace – Jones  Biochrom Labs, Inc.  Biochrom Labs, Inc.  Thermo Scientific  ThermoScientific  Thermo Scientific  IBM Instruments Inc.  IBM Instruments Inc.  GL Sciences  GL Sciences  Phenomenex  Varian  Waters Corp.  Varian  Waters Corp.  Macherey-Nagel  Macherey-Nagel  Macherey Nagel  Diazem  Restek Corp  Restek Corp  Restek Corp.  Restek Corp  Grace - Alltech  Bischoff Chromatography  Grace – Alltech  Varian  Varian  PerkinElmer, Inc.  Waters Corp.  Supelco  Supelco  Tosoh Bioscience  Restek Corp.  HPLC Technology  Imtakt – Silvertone Sciences  Restek Corp.  Grace - Vydac  Grace – Vydac  Wako Pure Chemical Ind.  YMC Co., Ltd.  Waters Corp.  Waters Corp.  Zodiac  Agilent Technologies  Agilent Technologies</p>
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L11 Cont	Phenyl groups chemically bonded to porous silica particles, 1.5 to 10 µm in diameter	Zorbax SB-Phenyl	Agilent Technologies
L12	A strong anion-exchange packing made by chemically bonding a quaternary amine to a solid silica spherical core, 30 to 50 µm in diameter	Accell Plus QMA Anex Baker-10 SPE Quaternary Am Guard SAX IonPac AS4A-SC Hydrocell QA 1500 Hydrocell QA NP10 Pellicular SAX Pinnacle II SAX Zipax SAX	Waters Corp. Transgenomic, Inc. J.T.Baker Chemical Co. Varian Dionex BioChrom Labs, Inc. BioChrom Labs, Inc. Grace - Alltech Restek Corp DuPont
L13	Trimethylsilane chemically bonded to porous silica particles, 3 to 10 µm in diameter	Adsorbosphere TMS Adsorbosphere XL C1 Allsphere C1 APEX C1 BETASIL C1 Capcell C1 SG 120, 300 Capcell C1 UG 120 Chromegabond C1 Cosmosil TMS-MS DELTABOND Methyl Develosil TMS-UG C1 Hypersil SAS (C1) Kromasil C1 MetaSil C1 Pinnacle II Methyl Pinnacle DB C1 Spherisorb C1 Supelcosil LC-1 SynChropak RP1 TSK-GEL TMS-250 Ultra C1 Wakopak Wakosil 5TMS YMC-Pack TMS Zorbax TMS	Grace - Alltech Grace - Alltech Grace - Alltech Grace - Jones Thermo Scientific Shiseido Shiseido ES Industries Nacalai Tesque, Inc. Thermo Electron Nomura Chemical Thermo Scientific Eka Nobel Varian Restek Corp. Restek Corp. Waters Corp. Supelco Eichrom Technologies, Inc. Tosoh Bioscience Restek Corp. Wako Pure Chemical Ind. YMC Co., Ltd. Agilent Technologies
L14	Silica gel having a chemically bonded, strongly basic quaternary ammonium anion-exchange coating, 5 to 10 µm in diameter.	Adsorbosphere SAX Adsorbosphere XL SAX Allsphere SAX Chromegabond SAX Hypersil SAX IonoSpher A Macrosphere 300 SAX MetaSil SAX Nucleosil SAX Nucleosil SB Nucleosil SN (anion) Partisil SAX Partisphere SAX Platinum SAX Spherex SAX Spherisorb SAX Supelcosil LC-SAX SynChropak Q300	Grace - Alltech Grace - Alltech Grace - Alltech ES Industries Thermo Scientific Varian Grace - Alltech Varian Macherey-Nagel Macherey-Nagel Macherey-Nagel Whatman Inc. Whatman Inc. Grace - Alltech Phenomenex Waters Corp. Supelco Eprogen, Inc.



L14 cont	Silica gel having a chemically bonded, strongly basic quaternary ammonium anion-exchange coating, 5 to 10 µm in diameter.	TSK-GEL QAE-2SW Vydac 3021C Wakopak Wakosil 5SAX Zorbax SAX	Tosoh Bioscience Grace – Vydac Wako Pure Chemical Ind. Agilent Technologies
L15	Hexylsilane chemically bonded to totally porous silica particles, 3 to 10 µm in diameter	Allsphere C6 BETASIL C6 Chomegabond C6 MetaSil C6 PhenoSphere C6 Spherisorb C6	Grace - Alltech Thermo Scientific ES Industries Varian Phenomenex Waters Corp.
L16	Dimethylsilane chemically bonded to porous silica particles, 5 to 10 µm in diameter	Adsorbil C2 Chromegabond C2 Diazem C8 DAC2 Maxil 5 RP-2 Nucleosil C2 Polygosil C2 Polygosil C2 60A	Grace - Alltech ES Industries Diazem Phenomenex Macherey-Nagel Macherey Nagel Macherey Nagel
L17	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the hydrogen form, 7 to 11 µm in diameter	Alltech OA-1000 Alltech OA-2000 Alltech IOA-1000 Alltech IOA-2000 Aminex Fast Acid Analysis Aminex HPX-87H Fast Fruit Juice Hamilton HC-75H Hamilton PRP-X200 Hamilton PRP-X300 Hydrocell SP1500 Hydrocell SP NP 10 HyperREZ XP Carbohydrate H HyperREZ XP Organic Acids IC-Pak Cation IC-Pak Ion Exclusion ICSep COREGEL 64H ICSep COREGEL 87H1 ICSep COREGEL 87H3 ICSep COREGEL 107H ICSep ION300 ICSep ORH-801 Jordi Sulfonated Polar Pac SCX MetaCarb 64H MetaCarb 67H MetaCarb 87H MetaCarb USP L17 Nucleogel Sugar 810H Nucleogel ION 300 OA Polypore H PL Hi-Plex H PRP-X200 Rezex RHM monosaccharide Rezex ROA Shodex Sugar SH1011 Shodex Rspak NN-814 Supelcogel C610H Supelcogel H	Grace - Alltech Grace - Alltech Grace - Alltech Grace - Alltech BIO-RAD Laboratories BIO-RAD Laboratories Waters Corp. Hamilton Co. Hamilton Co. Hamilton Co. BioChrom Labs, Inc. BioChrom Labs, Inc. Thermo Scientific Thermo Scientific Waters Corp. Waters Corp. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Jordi Associates, Inc. Varian Varian Varian Varian Macherey-Nagel Macherey-Nagel PerkinElmer, Inc. Varian/Polymer Labs Hamilton Phenomenex Phenomenex Shodex Shodex Supelco Supelco

L18	Amino and cyano groups chemically bonded to porous silica particles, 3 to 10 $\mu$ in diameter	Adsorbosphere PAC Chromegabond A/CN Partisil 10 PAC Partisphere PAC	Grace - Alltech ES Industries Whatman Inc. Whatman Inc.
L19	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the calcium form, about 9 $\mu$ m in diameter	Alltech Carbohydrate Cation Exchange Aminex Carbohydrate HPX-87C Benson BC-100 Benson BC-200 CARBOsep CHO620 CarboSep CHO-820 CARBOsep COREGEL-87C CARBOsep L19 Hamilton HC-40 Hamilton HC-75 Ca HyperREZ XP Carbohydrate Ca HyperREZ XP Sugar Alcohols Metacarb 67C MetaCarb 87C MetaCarb Ca Plus MetaCarb USP L19 Nucleogel Sugar Ca Nucleogel Sugar 810 Ca PL Hi-Plex Ca PL Hi-Plex Ca USP Polypore Ca Rezex RCM Rezex RCU Shodex Sugar SC1011 Supelcogel CA	Grace - Alltech BIO-RAD Laboratories No information available No information available Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Hamilton Co. Hamilton Co. Thermo Scientific Thermo Scientific Varian Varian Varian Macherey-Nagel Macherey-Nagel Varian/Polymer Labs Varian/Polymer Labs Macherey-Nagel Phenomenex Phenomenex Shodex Supelco
L20	Dihydroxypropane groups chemically bonded to porous silica particles, 5 to 10 $\mu$ m in diameter	APEX Diol BETASIL Diol BioSuite 125, 250, 450 series Chromegabond D(diols) Cosmosil Diol 120-II Cosmosil diol 300-II LiChrosorb Diol LiChrospher Diol-100 Macrosphere GPC 60,100,150 Macrosphere GPC-300,500 Macrosphere GPC-1000,4000 MonoChrom Diol Nucleosil Diol Protein-Pak 60 Protein-Pak 125 ProteinPak 200 SW and 300SW Shodex PROTEIN KW-802.5 Shodex PROTEIN KW-803 Shodex PROTEIN KW-804 Spherex Diol Supelcosil LC Diol SynChropak GPCPEP SynChropak GPC series 100, 300, 500, 1000, 4000 TSK-GEL QC-PAK 200 and 300 TSK-GEL SWxl series TSK-GEL SW series	Grace - Jones Thermo Scientific Waters Corp. ES Industries Nacalai Tesque, Inc. Nacalai Tesque, Inc. EM Sciences Merck KGaA Grace - Alltech Grace - Alltech Grace - Alltech Varian Macherey-Nagel Waters Corp. Waters Corp. Waters Corp. Shodex Shodex Shodex Phenomenex Supelco Eprogen, Inc. Eprogen, Inc.  Tosoh Bioscience Tosoh Bioscience Tosoh Bioscience

L20 cont	Dihydroxypropane groups chemically bonded to porous silica particles, 5 to 10 µm in diameter	YMC-Pack Diol GPC 60A, 120A, 200A, 300A	YMC Co., Ltd.
L21	A rigid, spherical styrene-divinylbenzene copolymer, 5 to 10 µm in diameter	Chrompack P 300 RP Hamilton PRP-1 Hamilton PRP-3 Hydrocell RP series Hydrocell RP NP series HyperREZ XP RP 100 HyperREZ XP RP 300 HyperREZ HT Jordi Gel RP 500A Metachem pHRP Nucleogel RP PLgel PLRP-S 100A PLRP-S 1000A PLRP-S 300A PLRP-S 4000A Polymer X PRP-1 RoGel RPSep PRX-1 Shodex RSpak DS-613 Shodex Rspak RP18-415 Styragel HR 0.5, 1, 2, 3 and 4 Styragel HR 4E Styragel HR 5E TSK-GEL Hx1 and Hhr series Vydac 259VHP	Varian Hamilton Co. Hamilton Co. BioChrom Labs, Inc. BioChrom Labs, Inc. Thermo Scientific Thermo Scientific Thermo Scientific Jordi Associates, Inc. Varian Macherey-Nagel Phenomenex Varian/Polymer Labs Varian/Polymer Labs Varian/Polymer Labs Varian/Polymer Labs Phenomenex Hamilton Inc. Grace - Alltech Transgenomic, Inc. Shodex Shodex Waters Corp. Waters Corp. Waters Corp. Tosoh Bioscience Grace - Vydac
L22	A cation-exchange resin made of porous polystyrene gel with sulfonic acid groups, about 10 µm in size	Alltech Anion Exclusion CarboSep CH0620 CarboSep COREGEL 87C Hamilton PRP-X200 Hamilton PRP-X300 HyperREZ XP SCX IC-Pak Ion Exclusion ICSep COREGEL 64H ICSep COREGEL 87H1 ICSep COREGEL 87H3 ICSep COREGEL 107H ICSep ORH801 IonPac ICE-AS1 IonPac ICE-Borate Jordi Sulfonated Polar Pac SCX Metacarb 64H Metacarb 67H MetaCarb 87H MetaCarb H Plus Nucleogel SCX PL Hi-Plex H Rezex ROA Shodex IC Y-521 Shodex RSpak DC-613	Grace - Alltech Transgenomic, Inc. Transgenomic, Inc. Hamilton Co. Hamilton Co. Thermo Scientific Waters Corp. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Dionex Corp. Dionex Corp. Jordi Associates, Inc. Varian Varian Varian Varian Macherey-Nagel Varian/Polymer Labs Phenomenex Shodex Shodex

L22 cont	A cation-exchange resin made of porous polystyrene gel with sulfonic acid groups, about 10 µm in size	Shodex Rspak KC-811 Shodex Sugar SH1011 Shodex Sugar SP0810 Supelcogel C610H Supelcogel H TSK-GEL SCX Vydac 400 VHP	Shodex Shodex Shodex Supelco Supelco Tosoh Bioscience Grace - Vydac
L23	An anion-exchange resin made of porous polymethacrylate or polyacrylate gel with quaternary ammonium groups, about 10 µm in size	BioSuite DEAE BioSuite Q-PEEK Cosmogel QA IC-Pak Anion MetroSep Anion Dual 2 Protein-Pak Q 8HR PRP-X500 Shodex IEC QA-825 Super-Sep IC Anion TSK-GEL SuperQ-5PW TSK-GEL Bioassist Q TSK-GEL IC-Anion-PW	Waters Corp. Waters Corp. Nacalai Tesque, Inc. Waters Corp. Metrohm-Peak, Inc. Waters Corp. Hamilton Co. Shodex Metrohm-Peak, Inc. Tosoh Bioscience Tosoh Bioscience Tosoh Bioscience
L24	A semi-rigid hydrophilic gel consisting of vinyl polymers with numerous hydroxyl groups in the matrix surface, 32 to 63 µm in diameter	YMC-Pack PVA-Sil Toyopearl HW-type	YMC Co., Ltd. Tosoh Bioscience
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	HyperGel AP Macrosphere GPC 60 Shodex OHPak SB-802HQ TSK-GEL G2500PW TSK-GEL G2500PWxl TSK-GEL Alpha-2500 TSK-GEL SuperAW2500 Ultrahydrogel DP, +120	Thermo Scientific Grace - Alltech Shodex Tosoh Bioscience Tosoh Bioscience Tosoh Bioscience Tosoh Bioscience Waters Corp.
L26	Butyl silane chemically bonded to totally porous silica particles, 3 to 10 µm in diameter	ACE 300 C4 ACE C4 Aquapore BU-300 BetaBasic 4 BioBasic 4 Chromegabond C4 Cosmosil C4-MS Cosmosil C4-AR-300 Delta-Pak C4 Genesis 300 C4 Haisil 300 C4 Hyperprep PEP 300 C4 HyPURITY C4 Jupiter C4 Kromasil C4 Macrosphere 300 C4 MicroSorb C4 Nucleosil C4 Pinnacle II C4 Pinnacle DB C4 Platinum 300 C4 PrimeSphere C4 ProntoSIL C4 ProSphere 300 C4	Advanced Chrom. Technol. Advanced Chrom. Technol. Perkinelmer, Inc. Thermo Scientific Thermo Scientific ES Industries Nacalai Tesque, Inc. Nacalai Tesque, Inc. Waters Associates Grace – Jones Higgins Analytical Thermo Scientific Thermo Scientific Phenomenex Eka Nobel Grace – Alltech Varian Macherey-Nagel Restek Corp Restek Corp. Grace - Alltech Phenomenex Bischoff Chromatography Grace - Alltech

L26 cont	Butyl silane chemically bonded to totally porous silica particles, 3 to 10 $\mu\text{m}$ in diameter	ProSphere HP C4 Symmetry300 C4 SynChropak RP4, RP4-1000, RP4-4000 Supelcosil LC-304 Ultra C4 Viva 300 C4 Vydac 214ATP Vydac 214MS Vydac 214TP Vydac C4 Wakopak Wakosil 5C4 Wakopak Wakosil 5C4-200 YMC-Pack C4 (Butyl) YMC-Pack Pro C4 YMC-Pack Protein-RP	Grace - Alltech Waters Corp. Eprogen, Inc. Supelco Restek Corp. Restek corp. Grace - Vydac Grace - Vydac Grace - Vydac Grace - Vydac Grace - Vydac Wako Pure Chemical Ind. Wako Pure Chemical Ind. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd.
L27	Porous silica particles, 30 to 50 $\mu\text{m}$ in diameter	Bondsil Silica Davisil 632, 642, 652 Discovery DSC-Si HyperPrep Silica ISOLUTE Silica Nucleodur Pelliguard LC-Si Porasil Solvecon Supelclean LC-Si Wakopak Wakosil 40SIL YMC-Pack Silica (S30/50)	Varian No information available Supelco Thermo Electron Int. Sorbent Technology Macherey-Nagel Supelco Waters Corp. Whatman Inc. Supelco Wako Pure Chemical Ind. YMC Co., Ltd.
L28	A multifunctional support, which consists of a high purity, 100 $\text{\AA}$ , spherical silica substrate that has been bonded with anionic exchanger, amine functionally in addition to a conventional reversed phase $\text{C}_8$ functionality	Alltech mixed mode C8/anion ProTec C8	Grace - Alltech ES Industries
L29	Gamma alumina, reverse-phase, low carbon percentage by weight, alumina-based polybutadiene spherical particles, 5 $\mu\text{m}$ in diameter with a pore volume of 80 $\text{\AA}$ units	Gammabond ARP-1 Gammabond Alumina Potency	ES Industries ES Industries
L30	Ethyl silane chemically bonded to totally porous silica particles, 3 to 10 $\mu\text{m}$ in diameter	APEX Prepsil C2 Chromegabond C2-E Maxsil RP2 Nucleosil C2	Grace - Jones ES Industries Phenomenex Macherey-Nagel
L31	A hydroxide-selective, strong anion-exchange resin-quaternary amine bonded on latex particles attached to a core of 8.5- $\mu\text{m}$ macroporous particles having a pore size of 2000 $\text{\AA}$ units and consisting of ethylvinylbenzene cross-linked with 55% divinylbenzene	Ion Pac AS 10 IonPac AS11-HC IonPac AS16	Dionex Corp. Dionex Corp. Dionex Corp.
L32	A chiral ligand-exchange resin packing-L-proline copper complex covalently bonded to irregularly shaped silica particles, 5 to 10 $\mu\text{m}$ in diameter	CHIRALCEL WH Chiral+Si 100 L-ProCu ChiralPro+Si 100 Polyol Astec CLC-D Astec CLC-L Nucleosil Chiral-1	Daicel Chem. Ind., Ltd. Serva Biochemicals Serva Biochemicals Supelco Supelco Mackerey-Nagel

L33	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	BioBasic SEC 120 BioBasic SEC 300 BioBasic SEC 1000 BioSep-SEC-S2000 BioSep-SEC-S3000 Macrosphere 150 Å Nucleosil 125-5 GFC SynChropak GPC Linear SynChropak GPC series 100, 300, 500, 1000, 4000 TSK-GEL SuperSW, SWx1, QC-PAK, and SW series Wakopak Wakosil 5Diol-60 Wakopak Wakosil 5Diol-120 Wakopak Wakosil 5Diol-200 Wakopak Wakosil 5Diol-300 YMC-Pack Diol Zorbax GF-250	Thermo Scientific Thermo Scientific Thermo Scientific Phenomenex Phenomenex Grace – Alltech Macherey-Nagel Eprogen, Inc.  Eprogen, Inc.  TosoH Bioscience Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind. YMC Co., Ltd. Agilent Technologies
L34	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the lead form, about 9 µm in diameter	Aminex Fast Carbohydrate Benson BC-100 Pb <sup>2+</sup> CARBOsep COREGEL-87P CARBOsep CHO682 CP-Carbohydrates Pb Hamilton HC-75 Pb <sup>2+</sup> HyperREZ XP Carbohydrate Pb Li-High MetaCarb 87P MetaCarb Pb Nucleogel Sugar Pb Nucleogel Sugar 810 Pb PL Hi-Plex Pb Rezex RPM monosaccharide Shodex Sugar SP0810 Supelcogel Pb	Bio Rad No information available Transgenomic, Inc. Transgenomic, Inc. Varian Hamilton Thermo Scientific Beckman Varian Varian Macherey-Nagel Macherey-Nagel Varian/Polymer Labs Phenomenex Shodex Supelco
L35	A zirconium-stabilized spherical silica packing with a hydrophilic (diol-type) molecular monolayer bonded phase having a pore size of 150 Å.	Bio-Sep-SEC-S2000 Zorbax GF-250 Zorbax GF-450	Phenomenex Agilent Technologies Agilent Technologies
L36	A 3,5-dinitrobenzoyl derivative of L-phenylglycine covalently bonded to 5-µm aminopropyl silica	Nucleosil Chiral-3	Macherey-Nagel
L37	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	PolySep-GFC-P3000 Shodex OHpak SB-803 HQ TSK-GEL G3000PWx1, G3000PW YMC-Pack Polymer C18	Phenomenex Shodex Tosoh Bioscience YMC Co. Ltd.
L38	A methacrylate-based size-exclusion packing for water-soluble samples	PolySep-GFC-P1000 Shodex OHpak SB-800HQ TSK-GEL PW, PWx1, Alpha, and Super AW series	Phenomenex Shodex  Tosoh Bioscience
L39	A hydrophilic polyhydroxymethacrylate gel of totally porous spherical resin	PolySep-GFC-P Shodex OHpak SB-802 HQ Shodex RSpak DM-614 TSKgel PW, PWx1, Alpha and Super AW series Ultrahydrogel	Phenomenex Shodex Shodex  Tosoh Corp. Waters Corp.

L40	Cellulose tris-3,5-dimethylphenylcarbamate coated porous silica particles, 5 µm to 20 µm in diameter	CHIRALCEL AD	Daicel
L41	Immobilized α <sub>1</sub> -acid glycoprotein on spherical silica particles, 5 µm in diameter	Chiral-AGP	Chrom Tech AB
L42	Octylsilane and octadecylsilane groups chemically bonded to porous silica particles, 5 µm in diameter	Chromegabond PSC HiChrom RPB-250A	ES Industries Hichrom Ltd.
L43	Pentafluorophenyl groups chemically bonded to silica particles by a propyl spacer, 5 to 10 µm in diameter	Allure PFP Propyl Curosil PFP Discovery HS F5 Hypersil GOLD PFP Pinnacle DB PFPP Pursuit PFP TAC 1 Ultra PFP Propyl Viva 300 PFPP	Restek Corp. Phenomenex Supelco Thermo Scientific Restek corp. Varian Whatman Restek Corp. Restek Corp.
L44	A multifunctional support, which consists of a high purity, 60 Å, spherical silica substrate that has been bonded with a cationic exchanger, sulfonic acid functionality in addition to a convention reversed phase C <sub>8</sub> functionality	Chromegabond RP-SCX	ES Industries
L45	Beta cyclodextrin bonded to porous silica particles, 5 to 10 µm in diameter	ChiraDex Chiral CD-Ph Astec Cyclobond I 2000 series Astec Cyclobond II series Astec Cyclobond III series Nucleodex Beta-PM Shodex CDBS-453	Merck KgaA Shiseido Supelco Supelco Supelco Macherey-Nagel Shodex
L46	Polystyrene/divinylbenzene substrate agglomerated with quaternary amine functionalized latex beads, about 10 µm in diameter	AminoPac PA1 CarboPac PA1 ProPac PA1	Dionex Corp. Dionex Corp. Dionex Corp.
L47	High capacity anion-exchange microporous substrate, fully functionalized with a trimethylamine group, 8 µm in diameter	CarboPac MA1	Dionex Corp.
L48	Sulfonated, cross-linked polystyrene with an outer layer of submicron, porous, anion-exchange microbeads, 15 µm in diameter	IonPac AS5 IonPac AS7	Dionex Corp. Dionex Corp.
L49	A reversed-phase packing made by coating a thin layer of polybutadiene on to spherical porous zirconia particles, 3 to 10 µm in diameter	Zirchrom PBD Discovery ZR-PBD	Zirchrom Separations, Inc. Supelco

L50	Multifunction resin with reverse-phase retention and strong anion-exchange functionalities. The resin consists of ethylvinylbenzene, 55% cross-linked with divinylbenzene copolymer, 3 to 15 $\mu\text{m}$ in diameter, and a surface area of not less than 350 $\text{m}^2$ per g. substrate is coated with quaternary ammonium functionalized latex particles consisting of styrene cross-linked with divinylbenzene	OmniPac PAX-500	Dionex Corp.
L51	Amylose tris-3,5-dimethylphenylcarbamate-coated, porous, spherical, silica particles, 5 to 10 $\mu\text{m}$ in diameter	Chiralpak AD	Chiral Technologies, Inc.
L52	A strong cation exchange resin made of porous silica with sulfopropyl groups, 5 to 10 $\mu\text{m}$ in diameter	BioBaise SCX IonoSpher C Supelcosil LC-SCX TSK-GEL IC-Cation-SW TSK-GEL SP-2SW	Thermo Scientific Varian Supelco Tosoh Bioscience Tosoh Bioscience
L53	Weak cation-exchange resin consisting of ethylvinylbenzene, 55% cross-linked with divinylbenzene copolymer, 3 to 15 $\mu\text{m}$ diameter. Substrate is surface grafted with carboxylic acid and/or phosphoric acid functionalized monomers. Capacity not less than 500 $\mu\text{Eq}/\text{column}$	IonPac CS14	Dionex Corp.
L54	A size exclusion medium made of covalent bonding of dextran to highly cross-linked porous agarose beads, about 13 $\mu\text{m}$ in diameter.	Superdex peptide HR 10/30	Amersham Pharmacia Biotech
L55	A strong cation exchange resin made of porous silica coated with polybutadiene-maleic acid copolymer, about 5 $\mu\text{m}$ in diameter	IC-Pak C M/D Universal Cation Universal Cation HR Waters Spherisorb SCX	Waters Corp. Grace - Alltech Grace - Alltech Waters Corp.
L56	Propyl silane chemically bonded to totally porous silica particles, 3 to 10 $\mu\text{m}$ in diameter	Zorbax SB C3	Agilent Technologies
L57	A chiral-recognition protein, ovomucoid, chemically bonded to silica particles, about 5 $\mu\text{m}$ in diameter, with a pore size of 120 angstroms.	Ultron ES-OVM Ultron ES-OVM	Agilent Varian
L58	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the sodium form, about 7 to 11 $\mu\text{m}$ diameter	Aminex HPX-87N CARBOsep Coregel 87N CARBOsep CHO611 CARBOsep CHO611OH HyperREZ Carbohydrate XP Na Metacarb 87N PL Hi-Plex Na TSK-GEL SCX( $\text{Na}^+$ )	BioRad Laboratories Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Thermo Scientific Varian Varian/Polymer Labs Tosoh Bioscience



L59	Packing having the capacity to separate proteins by molecular weight over the range of 10 to 500 kDa. It is spherical (10 µm), silica-based, and processed to provide hydrophilic characteristics and pH stability	BioSuite 125, 250, 450 Series Shodex Protein KW-803 TSK-GEL G2000SW, G3000SW and G4000SW	Waters Corp. Shodex Tosoh Bioscience
L60	Spherical, porous silica gel, 10 µm or less in diameter, the surface of which has been covalently modified with alkyl amide groups and endcapped	Ascentis RP-Amide HyPURITY ADVANCE Polaris Amide-C18 Prism RP Prism RPN Supelcosil LC-ABZ Supelcosil LC-ABZ+ Discovery RP-Amide C16 TSK-GEL Amide-80 Zorbax Bonus-RP	Supelco Thermo Scientific Varian Thermo Scientific Thermo Scientific Supelco Supelco Supelco Supelco Tosoh Bioscience Agilent
L61	A hydroxide-selective, strong anion-exchange resin consisting of a highly cross-linked core of 13 µm microporous particles having a pore size less than 10 Angstrom units and consisting of ethylvinylbenzene cross-linked with 55% divinylbenzene with a latex coating composed of 85 nm diameter microbeads bonded with alkanol quarternary ammonium ions (6%).	Ion Pac AS-11 Ion Pac AG-11	Dionex Dionex
L62	C30 silane bonded phase on a fully porous spherical silica, 3 to 15 µm in diameter.	Develosil C30 Develosil RP-Aqueous Develosil Combi-RP Develosil RP-Aqueous-AR ProntoSIL C30 ProntoSIL C30 EC Wakopak navi C30-5 YMC-Pack Carotenoid Zodiac 120 C30	Nomura Chemicals Nomura Chemicals Nomura Chemicals Nomura Chemicals Bischoff Bischoff Wako Pure Chemical Ind. YMC Co., Ltd. Zodiac
L63	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the sodium form, 6 to 30 µm in diameter	Shodex SUGAR KS-801 Shodex SUGAR KS-802 Shodex SUGAR KS-803 Shodex SUGAR KS-804 Shodex SUGAR KS-805 Shodex SUGAR KS-806 Shodex SUGAR KS-807	Shodex Shodex Shodex Shodex Shodex Shodex Shodex
L##	(Dalteparin Sodium, Anion-exchange Dowex 1X8) -	Dowex 1X8	Supelco
L##	(Dalteparin Sodium, Cation-exchange Dowex 50WX2)	Dowex 50WX2	Supelco
L##	(Glucosamine, Shodex NH2P-50) – Polyamine chemically bonded to cross-linked polyvinyl alcohol polymer, 5 µm in diameter	apHera NH2 Amino Shodex NH2P50	Supelco Shodex

L##	(Valganciclovir hydrochloride, Crownpak CR(+)) – A crown ether coated on a 5 µm particle size silica gel substrate. The active site is (S) -18-crown-6-ether	Crownpak CR (+)	Daicel
L##	(Levalbuterol, Chirobiotic T) – Glycopeptide teicoplanin linked through multiple covalent bonds to a 100 Angstrom units spherical silica.	Astec Chirobiotic T Astec Chirobiotic T <sub>2</sub>	Supelco Supelco
L##	(Sodium Fluoride and Acidulated Phosphate Topical Solution, Transgenomic AN1) – Polystyrene-divinylbenzene substrate agglomerated with quaternary amine functionalized latex, about 8 µm in diameter.	Transgenomic AN1	Transgenomic, Inc.
L##	(Formoterol Fumarate, apHera C18) – Porous vinyl alcohol copolymer with a C18 alkyl group attached to the hydroxyl group of the polymer.	apHera C18	Supelco
L##	(Ethylhexyl triazone, FluoFix) – Fluorocarbon chains chemically bonded to 5 µm spherical silica particles	Wakopak FluoFix-II 120E Wakopak Fluofix 120E Wakopak Fluofix 120N	Wako Pure Chemical Ind. Wako Pure Chemical Ind. Wako Pure Chemical Ind.
L##	(Carvedilol, SUPLEX pkb-100) – Spherical, porous silica, 10 µm or less in diameter, the surface of which has been covalently modified with alkyl amide groups and not endcapped	SUPLEX pkb-100	Supelco



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