

PACKINGS

L	PACKING	BRAND NAME	MANUFACTURER
L1	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 3 to 10 µm in diameter, or a monolithic rod	InertSustain C18 InertSustain AQ-C18 InertSustainSwift C18 Inertsil ODS series 1,2,3,4 Inertsil ODS-SP Inertsil ODS-P Inertsil ODS-HL Inertsil ODS-EP Inertsil WP300 C18 Inertsil Acrolein C18 Inertsil Sulfa C18 MonoCap C18 Abzelute ODS-DB Ace C18 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 APEX ODS Apollo C18 AQUA C18 Aquapore OD-300 C18 AQUASIL C18 Ascentis C18 ASI C18 ASI microC18 Atlantis C18 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 Capcell C18 AG 120 Capcell C18 SG 120, 300 Capcell C18 UG 80, 120, 300 Capcell C18 MG Capcell C18 MGI	GL Sciences GL Sciences GL Sciences GL Sciences GL Sciences GL Sciences GL Sciences GL Sciences GL Sciences GL Sciences GL Sciences GL Sciences Ansys Technologies, Inc. Hichrom, Ltd. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Restek Corp. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Jones Chrom. Inc. Alltech Associates, Inc. Phenomenex PerkinElmer, Inc. Thermo Electron Supelco Analytical Sciences Inc. Analytical Sciences Inc. Waters Corp. Axxiom JT Baker Thermo Electron Thermo Electron Thermo Electron Thermo Electron BIO-RAD Laboratories BIO-RAD Laboratories Phenomenex B&J Intakt – Silvertone Sciences Shiseido Shiseido Shiseido Shiseido Shiseido

L1 Cont.	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 3 to 10 µm in diameter, or a monolithic rod	Capcell C18 ACR Capcell C18 AQ Carbosorb ODS2 Carbosorb ODS3 Chemcosorb 5-ODS-H Chromegabond C18 Chromegabond WR-C18 Chromolith Performance RP-18e ChromSpher C18 Clipeus C18 Cosmosil C18 MS-II Cosmosil C18 AR-II Cosmosil C18 AR-300 Cosmosil C18 PAQ DELTABOND ODS Delta-Pak C18 Develosil ODS Diazem 2060 C18 60A Diazem 300A C18 4-222 Diazem 4-206 C18 Diazem 4-230 C18 Diazem 4-246 C18 Diazem 4-247 C18EC Diazem C18 Diazem C18 1000 Diazem C18 1120 Diazem C18 120A Diazem C18 120A series 43,44,45 and 46 Diazem C18 series 200A, 300A Diazem C18 series 2000 Diazem C18 series 3000 Diazem C18 series 4000 Diazem C18 60A Diazem C18 60A series 1,2,3 Diazem C18 series EC Diazem C18 Dual-Zone Discovery C18 Discovery HS C18 Discovery Bo Wide Pore C18 Eclipse XDB C18 Eclipse Rx C18 Eclipse SB C18 Econosil C18 Econosphere C18 Exsil ODS Gammabond C18 Genesis C18 Haisil 100, 300 C18 Haisil HL C18 Hi Chrom Reversible ODS Hibar II C18 Hibar ODS HydroBond PS-C18 Hyperbond Hyperprep 100 HS BDS C18 Hyperprep 120 C18 Hypersil C18 Hypersil BDS C18 Hypersil Elite C18 Hypersil Gold Hypersil HS 100-C18 Hypersil-ODS	Shiseido Shiseido Ansys Technologies, Inc. Ansys Technologies, Inc. Dychrom ES Industries ES Industries Varian Inc. Merck KGaA Higgins Analytical Nacalai Tesque, Inc. Nacalai Tesque, Inc. Nacalai Tesque, Inc. Nacalai Tesque, Inc. Thermo Electron Waters Corp. Nomura Chemicals Diazem Supelco Supelco Supelco Supelco Agilent Technologies Agilent Technologies Agilent Technologies Alltech Associates, Inc. Alltech Associates, Inc. SGE International ES Industries Jones Chromatography, Inc. Higgins Analytical Higgins Analytical Regis Inc. Merck KGaA Merck KGaA Mac-Mod Analytical, Inc. Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron
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L1 Cont.	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 3 to 10 µm in diameter, or a monolithic rod	Hypersil PAH C18 Hypersil HS PEP Hypersil Prep PEP HyPURITY Aquastar HyPURITY C18 IBM Octadecyl ISCO C-18 J'Sphere ODS-H80 J'Sphere ODS-L80 J'Sphere ODS-M80 Keystone ODS Keystone Carbamate 18 Kromasil C18 LiChrosorb RP-18 LiChrospher 100 RP-18 Luna C18 Macrosphere 300 C18 MetaCapsil C18 MetaChem ODS MetaPore C18 MetaSil AQ series MetaSil ODS MetroSep C18H MetroSep C18AQ MetroSep C18 AQ+ MetroSep C18SH MetroSep C18EPS MPLC RP-18 µBondapak C18 MicroPak MCH-10 MicroPak MCH-5-N-Cap µBondapak C18 Radial-Pak Microsorb C18 MicroSpher C18 MonoChrom C18 Nova-Pak C18 Nucleosil 100 C18 Nucleosil C18 Nucleosil C18 AB Nucleosil C18 HD Nucleosil C18 Nautilus ODS Ultrapak OmniSpher 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 Pinnacle ODS Pinnacle ODS Amine Pinnacle Ultra C18 Platinum C18 Platinum EPS C18 Platinum 300 C18	Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron IBM Instruments, Inc. ISCO, Inc. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd. Thermo Electron Thermo Electron EKA Nobel Merck KGaA Merck KGaA Phenomenex Alltech Associates, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Metrohm-Peak, Inc. Metrohm-Peak, Inc. Metrohm-Peak, Inc. Metrohm-Peak, Inc. Metrohm-Peak, Inc. PerkinElmer, Inc. Waters Corp. Varian Inc. Varian Inc. Waters Corp. Varian Inc. Varian Inc. Ansys Technologies, Inc. Waters Corp. Macherey-Nagel Macherey-Nagel Macherey-Nagel Macherey-Nagel Macherey-Nagel Beckman Instruments Varian, Inc. Whatman Inc. Whatman Inc. Whatman Inc. Whatman Inc. PerkinElmer, Inc. PerkinElmer, Inc. PerkinElmer, Inc. PerkinElmer, Inc. PerkinElmer, Inc. PerkinElmer, Inc. PerkinElmer, Inc. Diazem Diazem Restek Corp. Restek Corp. Restek Corp. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc.
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L1 Cont	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 3 to 10 µm in diameter, or a monolithic rod	Polaris C18-A Polygosil 60-7 C18 Polygosil C18 Polygosil C18 60 ^a 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 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 Silica 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 Hydro RP Targa C18 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	Alltech Associates, Inc. Macherey-Nagel Macherey-Nagel Macherey-Nagel Shimadzu Macherey-Nagel Macherey-Nagel Waters Corp. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Phenomenex Phenomenex Bischoff Chromatography Bischoff Chromatography Bischoff Chromatography Bischoff Chromatography Bischoff Chromatography Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Merck KGaA 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 Higgins Analytical Tosoh Corp. Tosoh Corp. Tosoh Corp. Tosoh Corp. Restek Corp. Restek Corp. Phenomenex Beckman Instruments Beckman Instruments
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L1 Cont	Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 3 to 10 µm in diameter, or a monolithic rod	Unison US-C18 Velosep RP-18 Vydac 201TP Vydac 202TP Vydac 218MS Vydac 218TP Vydac 238MS Vydac C18 Wakosil C18 RS 3 and 5 Wakosil 5C18 HG and AR XTerra MS C18 XTerra RP18 YMC-Pack Hydrosphere C18 YMC-Pack ODS-A YMC-Pack ODS-AL YMC-Pack ODS-AM YMC-Pack ODS-AQ YMC-Pack Pro C18 YMC-Pack Pro C18 RS Zorbax ODS C18 Zorbax Eclipse XDB-C18 Zorbax Extend C-18 Zorbax RX C18 Zorbax SB-C18	Beckman Instruments Imtakt – Silvertone Sciences Imtakt – Silvertone Sciences PerkinElmer, Inc. Grace Vydac Grace Vydac Grace Vydac Grace Vydac Grace Vydac Grace Vydac SGE International SGE International Waters Corp. Waters Corp. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd. Agilent Technologies Agilent Technologies Agilent Technologies Agilent Technologies
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	Not available from GL Sciences Bondapak Prep C18 DELTABOND ODS Pellicular C18 Permaphase ETH Permaphase ODS	Waters Corp. Thermo Electron Alltech Associates DuPont DuPont
L3	Porous silica particles, 5 to 10 µm in diameter	Inertsil Sil-100A Inertsil Sil-150A Inertsil WP300 SIL 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 Aquaphore SI-300 Atlantis HILIC Silica BETASIL Silica Bondclone Silica Chrompack CP MicroSpher Si Chromegasphere ChromSpher Si Cosmosil SL-II Deltabond Silica Econosil Silica Econosphere Silica Exsil Silica Genesis Si Haisil 100 Hypersil Silica Hypersil WP Silica Hyperprep 100 HS Silica	GL Sciences GL Sciences GL Sciences Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Restek Corp. Alltech Associates, Inc. Jones chromatography, Inc. PerkinElmer, Inc. Waters Corp. Thermo Hypersil-Keystone Phenomenex Chrompack Inc. ES Industries Varian Inc. Nacalai Tesque, Inc. Thermo Electron Alltech Associates, Inc. Alltech Associates, Inc. SGE International Jones Chromatography, Inc. Higgins Analytical Thermo Electron Thermo Electron Thermo Electron

L3 Cont	Porous silica particles, 5 to 10 µm in diameter	Hyperprep 120 Silica Hyperprep 300 Silica Hyperprep HS Silica Hypersil WP Silica Kromasil Si LiChrosorb Si 100 LiChrosorb Si 60 LiChrospher Si-60 LiChrospher Si-100 LiChrospher Si-300 LiChrospher Si-1000 Luna Si MetaSil Basic Si MetaSil Silica MetaSil AQ series Si µPorasil MicroSorb Si MonoChrom Si Nova-Pak Silica Nucleosil Silica Partisil Silica Partisphere Silica Pinnacle Silica Platinum Silica Polygosil Silica Polygosil Si 100A Polygosil Si 60A Prep Nova-Pak HR Silica Prevail Silica ProntoSIL Si ProSphere Silica Resolve Silica Silica AG 120 Silica SG 80, 120 Si Ultrasphere Spheri-(5 and 10)-Si Spherisorb Silica Spherosil XOA 600 Supelcosil LC-Si Supelcosil LC-3Si Ultra Silica Ultrasphere Silica Vydac 101MS Vydac 101SP Vydac 101TP YMC-Pack Silica Zorbax SIL Zorbax Rx-SIL	Thermo Electron Thermo Electron Thermo Electron Thermo Electron Eka Nobel Merck KGaA Merck KGaA Merck KGaA Merck KGaA Merck KGaA Merck KGaA Phenomenex Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Waters Corp. Varian Inc. Ansys Technologies, Inc. Waters Corp. Macherey-Nagel Whatman Inc. Whatman Inc. Restek Corp Alltech Associates, Inc. Macherey Nagel Macherey Nagel Macherey Nagel Waters Corp. Alltech Associates, Inc. Bischoff Chromatography Alltech Associates, Inc. Waters Corp. Shiseido Shiseido Beckman Instruments Perkinelmer, Inc. Waters Corp. Rhone-Poulenc Supelco Supelco Restek Corp. Beckman Instruments Grace Vydac Grace Vydac Grace Vydac YMC Co., Ltd. Agilent Technologies Agilent Technologies
L4	Silica gel of controlled surface porosity bonded to a solid spherical core, 30 to 50 µm in diameter	Not available from GL Sciences Custom Silica Res-Sil DELTABOND Silica Guard Si HC Pellosil Pellicular Silica Porasil Prep Silica	Restek Corp. Thermo Electron Varian Inc. Whatman Inc. Alltech Associates, Inc. Waters Corp.
L5	Alumina of controlled surface porosity bonded to a solid spherical core, 30 to 50 µm in diameter	Not available from GL Sciences	
L6	Strong cation-exchange packing-sulfonated fluorocarbon polymer coated on a solid spherical core, 30 to 50 µm in diameter	Not available from GL Sciences Adsorbosphere XL SCX Partisil SCX Zipax SCX	Alltech Associates, Inc. Whatman DuPont

L7 Cont	Octylsilane chemically bonded to totally porous silica particles, 3 to 10 µm in diameter	Genesis C8 Haisil 100, 300 C8 HS-5 C8 HydroBond AQ HydroBond PS-C8 Hyperprep PEP C8 Hypersil BDS C8 Hypersil 100 C8 Hypersil MOS Hypersil MOS-2 Hypersil PEP C8 Hypersil HS 100 C8 HyPurity C8 Keystone Carbamate 8 Keystone Octyl/B Keystone Octyl/H Kromasil C8 LiChrosorb RP LiChrosorb RP Select B LiChrospher 60 RP-select B LiChrospher 100 RP 8-E LiChrospher RP-Select B Luna C8 Macrosphere C8 Maxsil 5-C8 MetaCapsil C8 MetaPore C8 Metasil Basic MetaSil C8 Microsorb C8 Monochrom C8 Nova-Pak C8 Nucleosil C8 Nucleosil C8 ec Nucleosil C8 HD Nucleosil Protect I Partisil C8 Partisphere C8 Pecosphere C8 Peptica C8 series A,B,C Pfarma C8 series A,B,C Pinnacle Octyl Pinnacle Octyl Amine Platinum C8 Platinum EPS C8 Platinum 300 C8 Polygosil C8 Polygosil C8 60 ^a Prevail C8 ProntoSIL C8 SH ProntoSIL C8 ace-EPS 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 Superspher CH8/II Symmetry C8	Jones Chromatography, Inc. Higgins Analytical PerkinElmer, Inc. Mac-Mod Analytical, Inc. Mac-Mod Analytical, Inc. Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Merck KGaA Merck KGaA Merck KGaA Merck KGaA Merck KGaA Phenomenex Alltech Associates, Inc. Phenomenex Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Waters Corp. Macherey-Nagel Macherey-Nagel Macherey-Nagel Macherey-Nagel Whatman Inc. Whatman Inc. PerkinElmer, Inc. Diazem Diazem Restek Corp Restek Corp Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Macherey Nagel Macherey Nagel Alltech Associates, Inc. Bischoff chromatography Bischoff Chromatography PerkinElmer, Inc. Waters Corp. Fisher Scientific PerkinElmer, Inc. PerkinElmer, Inc. Waters Corp. Waters Corp. Supelco Supelco Merck KGaA Merck KGaA Waters Corp.
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		SymmetryPrep C8 SymmetryShield RP8 SynChropak RP8 SynChropak RP8-1000 Targa C8 TSKgel Octyl-80Ts Ultra C8 Ultrasphere C-8 Octyl Ultrasphere ODS Ultremex C8 Unison UK-C8 Vydac 208MS Vydac 208SP Vydac 208TP Vydac C8 Wakosil II 5C8 RS Whatman P-5 C8 RACII XTerra MS C8 XTerra RP8 YMCbasic YMC-Pack Octyl C8 YMC Pack ProC8 Zorbax C8 Zorbax RX C8 Zorbax C8 150A Zorbax RX-C8 Zorbax SB-C8 Zorbax XDB C8	Waters Corp. Waters Corp. Eprogen, Inc. Eprogen, Inc. Higgins Analytical TosoH Corp. Restek Corp. Beckman Instruments Beckman Instruments Phenomenex Imtakt – Silvertone Sciences Grace Vydac Grace Vydac Grace Vydac Grace Vydac SGE International Whatman Waters Corp. Waters Corp. YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd. Agilent Technologies Agilent Technologies Agilent Technologies Agilent Technologies 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	InertSustain NH2 Inertsil NH2 Adsorbosil NH2 Adsorbosphere NH2 Adsorbosphere XL NH2 Allsphere NH2 Alltima NH2 AlphaBond NH2 Allsphere NH2 Bondclone NH2 Bond-Elute NH2 Capcell NH2 SG 80 Capcell NH2 UG 80 Carbohydrate Amino Chromegabond Amino Econosil Amino Econosphere Amino Hyperprep HS NH2 Hypersil APS-2 KEYSTONE Carbohydrate Kromasil NH2 LiChrosorb NH2 LiChrospher NH2 MetaCapsil NH2 MetaSil NH2 µBondapak NH2 MicroSorb NH2 Nucleosil 100 NH2 Nucleosil NH2 PhenoSphere NH2 Platinum NH2 Polygosil NH2 Polygosil NH2 60A ProntoSIL AMINO ProntoSIL AMINO H	GL Sciences GL Sciences Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Phenomenex Analytichem Int. Shiseido Shiseido Alltech Associates, Inc. ES Industries Alltech Associates, Inc. Alltech Associates, Inc. Thermo Electron Thermo Electron Thermo Electron Eka Nobel Merck KGaA Merck KGaA Ansys Technologies, Inc. Ansys Technologies, Inc. Waters Corp. Varian Inc. Macherey-Nagel Macherey-Nagel Phenomenex Alltech Associates, Inc. Macherey Nagel Macherey Nagel Bischoff Chromatography Bischoff Chromatography

		ProntoSIL AMINO E Spheri-(5 and 10) amino Spherisorb NH2 Supelcosil LC-NH2 Supelcosil LC-NH2-NP YMC-Pack NH2 Zorbax NH2	Bischoff Chromatography Perkinelmer, Inc. Waters Corp. Supelco Supelco YMC Co., Ltd. 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.	Inertsil CX Capcell UG SCX Chromegabond P-SCX Diazem C8 SCX Diazem SCX Diazem SCX 4-204 IonoSpher C Keystone SCX Maxsil SCX MetaSil SCX Nucleosil SA Partisil SCX Partisphere SCX Spherisorb SCX Supelcosil -SCX SynChropak S300 Zorbax SCX	GL Sciences Shiseido ES Industries Diazem Diazem Diazem Varian Inc. Thermo Electron Phenomenex Ansys Technologies, Inc. Macherey-Nagel Whatman Inc. Whatman Inc. Waters Corp. Supelco, Inc. Eichrom Technologies, Inc. Agilent Technologies
L10	Nitrile groups chemically bonded to porous silica particles, 3 to 10 µm in diameter	InertSustain Cyano Inertsil CN-3 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 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 HS CN Hypurity CN Keystone Cyano/B LiChrosorb CN	GL Sciences GL Sciences Hichrom, Ltd. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Restek Corp. Alltech Associates, Inc. Jones Chromatography, Inc. Thermo Electron Thermo Electron Thermo Electron Phenomenex Shiseido Shiseido ES Industries Higgins Analytical Beckman Instruments Nacalai Tesque, Inc. Thermo Electron Nomura Chemical Diazem Supelco, Inc. Alltech Associates Alltech Associates, Inc. SGE International Jones Chromatography, Inc. Thermo Electron Thermo Electron Thermo Electron Thermo Electron Thermo Electron Merck KGaA

L10 cont.	Nitrile groups chemically bonded to porous silica particles, 3 to 10 µm in diameter	LiChrospher CN Luna CN MetaCapsil CN MetaChem CN/E MetaSil CN µBondapak CN MicroSorb CN NovaPak CN NovaPak CN HP Nucleosil CN Nucleosil CN-RP Peptica CN-A Pinnacle Cyano Pinnacle Cyano Amine 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 TSKgel CN-80Ts Ultra Cyano Ultrasphere CN Ultremex CN YMC-Pack CN Zorbax 300SB-CN Zorbax CN Zorbax SB-CN	Merck KGaA Phenomenex Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Waters Corp. Varian Inc. Waters Corp. Waters Corp. Macherey-Nagel Macherey-Nagel Diazem Restek Corp Restek Corp. Alltech Associates, Inc. Macherey Nagel Macherey Nagel Bischoff Chromatography Alltech Associates, Inc. Regis Instruments Waters Corp. Perkinelmer, Inc. Waters Corp. Supelco Supelco Tosoh Corp. Restek Corp. Beckman Instruments Phenomenex YMC Co., Ltd. Agilent Technologies Agilent Technologies Agilent Technologies
L11	Phenyl groups chemically bonded to porous silica particles, 5 to 10 µm in diameter	InertSustain Phenylhexyl InertSustain Phenyl Inertsil Ph-3 Inertsil Ph Ace Phenyl Adsorbosphere Phenyl Adsorbosphere XL Phenyl Allsphere Phenyl Alltima Phenyl alphaBond Phenyl APEX Phenyl BetaBasic Phenyl BETASIL Phenyl BETASIL Phenyl-hexyl BioBasic Phenyl Bondclone Phenyl Capcell Phenyl SG 120, 300 Capcell Phenyl UG 120 Chromegabond P-BD Clipseus Phenyl Cosmosil PE-MS Cosmosil Ph-AR-300 DELTABOND PHENYL Diazem Phenyl Eclipse XDB Phenyl Exsil Phenyl Genesis Phenyl Hydrocell Phenyl NP10 Hydrocell Phenyl 1500 Hyperprep HS 100 Phenyl	GL Sciences GL Sciences GL Sciences GL Sciences Hichrom, Ltd. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Jones Chromatography, Inc. Thermo Electron Thermo Electron Thermo Electron Thermo Electron Phenomenex Shiseido Shiseido ES Industries Higgins Analytical Nacalai Tesque, Inc. Nacalai Tesque, Inc. Thermo Electron Diazem Agilent Technologies SGE International Jones Chromatography, Inc. Biochrom Labs, Inc. Biochrom Labs, Inc. Thermo Electron

L11 Cont	Phenyl groups chemically bonded to porous silica particles, 5 to 10 µm in diameter	Hypersil BDS Phenyl Hypersil Phenyl Hypersil Phenyl-2 IBM Phenyl IBM Phenyl-NP Keystone Diphenyl Keystone Phenyl/B Luna Phenyl-Hexyl MetaCapsil Phenyl MetaSil Phenyl µBondapak Phenyl Microsorb Phenyl NovaPak Phenyl Nucleosil Phenyl Nucleosil Phenyl ec Peptica Phenyl series A,B,C Pinnacle Phenyl Pinnacle Phenyl Amine Platinum Phenyl ProntoSIL Phenyl Prevail Phenyl Sepralyte Phenyl Spheri-(5 and 10)-Phenyl Spherisorb Phenyl Supelcosil LC-DP Supelcosil LC-3DP Taxsil Ultra Phenyl Ultra Techsphere 5 Phenyl Unison UK-Phenyl Vydac 219MS Vydac 219TP YMC-Pack Phenyl XTerra Phenyl Zorbax Phenyl Zorbax SB-Phenyl	Thermo Electron Thermo Electron Thermo Electron IBM Instruments Inc. IBM Instruments Inc. Thermo Electron Thermo Electron Phenomenex Ansys Technologies, Inc. Ansys Technologies, Inc. Waters Corp. Rainin Instruments Co., Inc. Waters Corp. Macherey-Nagel Macherey Nagel Diazem Restek Corp Restek Corp Alltech Associates, Inc. Bischoff Chromatography Alltech Associates, Inc. Analytichem International PerkinElmer, Inc. Waters Corp. Supelco Supelco Ansys Technologies, Inc. Restek Corp. HPLC Technology Imtakt – Silvertone Sciences Grace Vydac Grace Vydac YMC Co., Ltd. Waters Corp. Agilent Technologies 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	Not available from GL Sciences Accell Plus QMA Anex Baker-10 SPE Quaternary Am Guard SAX HPIC Anion S4 Analysis Hydrocell QA 1500 Hydrocell QA NP10 Pellicular SAX Pinnacle SAX Zipax SAX	Waters Corp. Transgenomic, Inc. J.T.Baker Chemical Co. Varian Inc. Dionex BioChrom Labs, Inc. BioChrom Labs, Inc. Alltech Associates, Inc. Restek Corp DuPont
L13	Trimethylsilane chemically bonded to porous silica particles, 3 to 10 µm in diameter	Not available from GL Sciences 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 MetaCapsil C1 MetaSil C1	Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Jones Chromatography, Inc. Thermo Electron Shiseido Shiseido ES Industries Nacalai Tesque, Inc. Thermo Electron Nomura Chemical Thermo Electron Eka Nobel Ansys Technologies, Inc. Ansys Technologies, Inc.

		Pinnacle Methyl Spherisorb C1 Supelcosil LC-1 SynChropak RP1 TSKgel TMS-250 Ultra C1 YMC-Pack TMS Zorbax TMS	Restek Corp Waters Corp. Supelco Eichrom Technologies, Inc. Tosoh Corp. Restek Corp. 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. Silica gel having a chemically bonded, strongly basic quaternary ammonium anion-exchange coating, 5 to 10 µm in diameter.	Not available from GL Sciences Adsorbosphere SAX Adsorbosphere XL SAX Allsphere SAX Chromegabond SAX Hypersil SAX IonoSpher A Macrosphere 300 SAX MetaSil SAX Nucleosil SAX Nucleosil SN (anion) Partisphere SAX Platinum SAX Spherex SAX Spherisorb SAX Supelcosil LC-SAX SynChropak Q300 Vydac 3021C Zorbax SAX	Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. ES Industries Thermo Electron Varian Inc. Alltech Associates, Inc. Ansys Technologies, Inc. Macherey-Nagel Macherey-Nagel Whatman Inc. Alltech Associates, Inc. Phenomenex Waters Corp. Supelco Eprogen, Inc. Grace Vydac Agilent Technologies
L15	Hexylsilane chemically bonded to totally porous silica particles, 3 to 10 µm in diameter	Not available from GL Sciences Allsphere C6 BETASIL C6 Chromegabond C6 MetaSil C6 PhenoSphere C6 Spherisorb C6	Alltech Associates, Inc. Thermo Electron ES Industries Metachem Phenomenex Waters Corp.
L16	Dimethylsilane chemically bonded to porous silica particles, 5 to 10 µm in diameter	Not available from GL Sciences Adsorbil C2 Chromegabond C2 Diazem C8 DAC2 Maxil 5 RP-2 Nucleosil C2 Polygosil C2 Polygosil C2 60A	Alltech Associates, Inc. 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	InertSphere FA-1 Alltech OA-1000 Alltech OA-2000 Alltech IOA-1000 Alltech IOA-2000 Aminex Fast Acid Analysis Aminex HPX-87H Chrompack Organic Acids 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 Ion Exclusion ICSep COREGEL 64H ICSep COREGEL 87H1 ICSep COREGEL 87h# ICSep COREGEL 107H	GL Sciences Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. BIO-RAD Laboratories BIO-RAD Laboratories Varian Inc. Waters Corp. Hamilton Co. Hamilton Co. Hamilton Co. Hamilton Co. BioChrom Labs, Inc. BioChrom Labs, Inc. Thermo Electron Thermo Electron Waters Corp. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc.

L17 cont.	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the hydrogen form, 7 to 11 µm in diameter	ICSep ORH-801 Jordi Sulfonated Polar Pac SCX MetaCarb 87H MetaCarb USP L17 Nucleogel Sugar 810H Nucleogel ION 300 OA ORH-801 Organic Acids Pinnacle Octyl Pinnacle Octyl Amine Polypore H PRP-X200 Rezex RHM monosaccharide Supelcogel C610H Supelcogel H	Transgenomic, Inc. Jordi Associates, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Macherey-Nagel Macherey-Nagel Interaction Chemical Inc. Restek Corp. Restek Corp. PerkinElmer, Inc. Hamilton Phenomenex Supelco Supelco
L18	Amino and cyano groups chemically bonded to porous silica particles, 3 to 10 µm in diameter	Not available from GL Sciences Adsorbosphere PAC Chromegabond A/CN Partisphere PAC	Alltech Associates, Inc. ES Industries Whatman Inc.
L19	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the calcium form, about 9 µm in diameter	InertSphere Sugar-2 Alltech carbohydrate Cation Exchange column Aminex Carbohydrate HPX-87C Benson BC-100 Benson BC-200 CarboSep CHO-820 CARBOsep COREGEL-87C CARBOsep L19 CP-Carbohydrates Ca Hamilton HC-40 Hamilton HC-75 Ca HyperREZ XP Carbohydrate Ca HyperREZ XP Sugar Alcohols Interaction CHO-820 Interaction COREGEL-87C MetaCarb 87C MetaCarb Ca Plus MetaCarb USP L19 Nucleogel Sugar Ca Nucleogel Sugar 810 Ca Polypore Ca Rezex RCM Rezex RCU SC-1011 Sugar-Pak Supelcogel CA	GL Sciences Alltech Associates, Inc. BIO-RAD Laboratories No information available No information available Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Varian Inc. Hamilton Co. Hamilton Co. Thermo Electron Thermo Electron Interaction Chrom. Interaction Chrom. Ansys Technologies, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Macherey-Nagel Macherey-Nagel PerkinElmer, Inc. Phenomenex Phenomenex Shodex Waters Corp. Supelco

L20	Dihydroxypropane groups chemically bonded to porous silica particles, 5 to 10 µm in diameter	Inertsil Diol Inertsil WP300 Diol APEX Diol BETASIL Diol Chromegabond D(diols) Cosmosil Diol 120-II Cosmosil diol 300-II LiChrosorb Diol LiChrospher Diol-100 LiChrospher Diol-1000 MacroSphere GPC 60,100,150 MacroSphere GPC-300,500 MacroSphere GPC-1000,4000 Nucleosil Diol Protein-Pak 60 Protein-Pak 125 Protein-Pak 300SW Protein-Pak KW-802.5 Protein-Pak KW-803 Protein-Pak KW-804 Spherex Diol SynChropak GPCPEP SynChropak GPC series 100, 300, 500, 1000, 4000 TSKgel QC-PAK TSK 200 TSKgel QC-PAK TSK 300 TSKgel 2000SWx1 TSKgel 3000SWx1 TSKgel 4000SWx1 TSKgel 2000SW TSKgel 3000SW TSKgel 4000SW YMC-Pack Diol GPC 60A, 120A, 200A, 300A Zorbax GF250	GL Sciences GL Sciences Jonas Chromatography, Inc. Thermo Electron ES Industries Nacalai Tesque, Inc. Nacalai Tesque, Inc. EM Sciences Merck KGaA Merck KGaA Alltech Associates, Inc. Alltech Associates, Inc. Alltech Associates, Inc. Macherey-Nagel Waters Corp. Waters Corp. Waters Corp. Shodex Shodex Shodex Phenomenex Eprogen, Inc. Eprogen, Inc. Tosoh Corp. Tosoh Corp. Tosoh Corp. Tosoh Corp. Tosoh Corp. Tosoh Corp. Tosoh Corp. Tosoh Corp. YMC Co., Ltd. Agilent Technologies
L21	A rigid, spherical styrene-divinylbenzene copolymer, 5 to 10 µm in diameter	Not available from GL Sciences Chrompack P 300 RP Hamilton PRP-1 Hamilton PRP-3 Hydrocell RP series Hydrocell RP NP series HyperREZ XP RP Jordi Gel RP 500A MetaChem pHRP Nucleogel RP PLgel PLRP-S 100A PLRP-S 1000A PRP-1 RoGel RPSep PRX-1 RSPak 613 Sarasep PC18 Shodex RSPak TSKgel HHR and HXL series Vydac 259VHP	Varian Inc. Hamilton Co. Hamilton Co. BioChrom Labs, Inc. BioChrom Labs, Inc. Thermo Electron Jordi Associates, Inc. Ansys Technologies, Inc. Macherey-Nagel Phenomenex Polymer Labs Polymer Labs Hamilton Inc. Alltech Associates, Inc. Transgenomic, Inc. Shodex Transgenomic, Inc. Showa Denko Tosoh Corp. Grace Vydac
L22	A cation-exchange resin made of porous polystyrene gel with sulfonic acid groups, about 10 µm in size	Not available from GL Sciences Alltech Anion Exclusion CarboSep CH0620 CarboSep COREGEL 87C Chrompack Organic Acids Chrompack 1000 SCX Chrompack 4000SCX	Alltech Associates, Inc. Transgenomic, Inc. Transgenomic, Inc. Varian Inc. Varian Inc. Varian Inc.

L22 cont.	A cation-exchange resin made of porous polystyrene gel with sulfonic acid groups, about 10 µm in size	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 87H MetaCarb H Plus Nucleogel SCX Rezex ROA RSPak DC 613 Shodex SH1011 Shodex SP-0810 Sugar KS-800 Vydac 400 VHP	Hamilton Co. Hamilton Co. Thermo Electron Waters Corp. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Transgenomic, Inc. Dionex Corp. Dionex Corp. Jordi Associates, Inc. Ansys Technologies, Inc. Ansys Technologies, Inc. Macherey-Nagel Phenomenex Shodex Metachem Waters Corp. Showa Denko Grace Vydac
L23	An anion-exchange resin made of porous polymethacrylate or polyacrylate gel with quaternary ammonium groups, about 10 µm in size	Not available from GL Sciences Chrompack 1000SAX Chromapack 4000 SAX Cosmogel QA IC-Pak Anion MetroSep Anion Dual 2 Protein-Pak Q 8HR Shodex IEC QA-825 Super-Sep IC Anion TKSgel Q-5PW TSKgel Bioassist Q TSKgel IC0Anion-PW	Varian Inc. Varian Inc. Nacalai Tesque, Inc. Waters Corp. Metrohm-Peak, Inc. Waters Corp. Ansys Technologies, Inc. Metrohm-Peak, Inc. Tosoh Corp. Tosoh Corp. Tosoh Corp.
L24	A semi-rigid hydrophilic gel consisting of vinyl polymers with numerous hydroxyl groups in the matrix surface, 32 to 63 µm in diameter	Not available from GL Sciences YMC-Pack PVA-Sil	YMC Co., Ltd.
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	Not available from GL Sciences Aqualgel-OH 40 HyperGel AP Macrosphere GPC 60 MicroAqualgel 30K Shodex OHPak SB-802 TSKgel G2500PWx1 Ultrahydrogel DP, +120	No information available Thermo Hypersil-Keystone Alltech Associates, Inc. Varian Inc. Showa Denko Tosoh Corp. Waters Corp.
L26	Butyl silane chemically bonded to totally porous silica particles, 3 to 10 µm in diameter	Inertsil C4 Inertsil WP300 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	GL Sciences GL Sciences Hichrom, Ltd. Perkinelmer, Inc. Thermo Electron Thermo Electron ES Industries Nacalai Tesque, Inc. Nacalai Tesque, Inc. Waters Associates Jones Chromatography, Inc. Higgins Analytical Thermo Electron Thermo Electron Phenomenex Eka Nobel

L26 cont.	Butyl silane chemically bonded to totally porous silica particles, 5 to 10 µm in diameter	Macrosphere 300 C4 Nucleosil C4 Pinnacle Butyl Platinum 300 C4 PrimeSphere C4 ProntoSIL C4 ProSphere 300 C4 ProSphere HP C4 Symmetry300 C4 SynChropak RP4, RP4-1000, RP4-4000 Supelcosil LC-304 Ultra C4 Vydac 214ATP Vydac 214MS Vydac 214TP Vydac C4 YMC-Pack C4 (Butyl) YMC-Pack Pro C4 YMC-Pack Protein-RP	Alltech Associates, Inc. Macherey-Nagel Restek Corp Alltech Associates, Inc. Phenomenex Bischoff Chromatography Alltech Associates, Inc. Alltech Associates, Inc. Waters Corp. Eprogen, Inc. Supelco Restek Corp. Grace Vydac Grace Vydac Grace Vydac Grace Vydac YMC Co., Ltd. YMC Co., Ltd. YMC Co., Ltd.
L27	Porous silica particles, 30 to 50 µm in diameter	Not available from GL Sciences Davisil 632, 642, 652 Discovery DSC-Si HyperPrep Silica ISOLUTE Silica Nucleodur Pelliguard LC-Si Porasil Solvecon Supelclean LC-Si YMC-Pack Silica (S30/50)	No information available Supelco Thermo Electron Int. Sorbent Technology Macherey-Nagel Supelco Waters Corp. Whatman Inc. Supelco YMC Co., Ltd.
L28	A multifunctional support, which consists of a high purity, 100 Å, spherical silica substrate that has been bonded with anionic exchanger, amine functionality in addition to a conventional reversed phase C ₈ functionality	Not available from GL Sciences Alltech mixed mode C8/anion ProTec C8	Alltech Associates, Inc. ES Industries
L29	Gamma alumina, reverse-phase, low carbon percentage by weight, alumina-based polybutadiene spherical particles, 5 µm in diameter with a pore volume of 80 Å units	Not available from GL Sciences Gammabond ARP-1 Gammabond Alumina Potency	ES Industries ES Industries
L30	Ethyl silane chemically bonded to totally porous silica particles, 3 to 10 µm in diameter	Not available from GL Sciences APEX Prepsil C2 Chromegabond C2-E Maxsil RP2 Nucleosil C2	Jones Chromatography, Inc. 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-µm macroporous particles having a pore size of 2000 Å units and consisting of ethylvinylbenzene cross-linked with 55% divinylbenzene	Not available from GL Sciences 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 µm in diameter	Not available from GL Sciences CHIRALCEL WH Chiral+Si 100 L-ProCu ChiralPro+Si 100 Polyol Nucleosil Chiral-1 Sumi Chiral OA-5000	Daicel Chem. Ind., Ltd. Serva Biochemicals Serva Biochemicals Mackerey-Nagel Varian Inc.
L33	Packing having the capacity to separate dextrans by molecular size over a range	Inertsil WP300 Diol BioSep-SEC-S2000	GL Sciences Phenomenex

	of 4,000 to 500,000 daltons. It is spherical, silica-based, and processed to provide pH stability	BioSep-SEC-S3000 Keystone GFS 300 Macrosphere 150 Δ Nucleosil 125-5 GFC SynChropak GPC Linear SynChropak GPC series 100, 300, 500, 1000, 4000 TSKgel SuperSW, SWx1, QC-PAK series YMC-Pack Diol Zorbax GF-250	Phenomenex Thermo Electron Alltech Associates, Inc. Macherey-Nagel Eprogen, Inc. Eprogen, Inc. TosoH Corp. 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	Not available from GL Sciences Aminex Fast Carbohydrate Benson BC-100 Pb ²⁺ CARBOsep COREGEL-87P CP-Carbohydrates Pb Hamilton HC-75 Pb ²⁺ HyperREZ XP Carbohydrate Pb Li-High MetaCarb 87P Nucleogel Sugar Pb Nucleogel Sugar 810 Pb Rezex RPM monosaccharide Supelcogel Pb	Bio Rad No information available Transgenomic, Inc. Varian Inc. Hamilton Thermo Hypersil-Keystone Beckman Ansys Technologies, Inc. Macherey-Nagel Macherey-Nagel Phenomenex Supelco
L35	A zirconium-stabilized spherical silica packing with a hydrophilic (diol-type) molecular monolayer bonded phase having a pore size of 150 Δ.	Not available from GL Sciences 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	Not available from GL Sciences Nucleosil Chiral-3 Keystone Chiral DNB R Keystone Chiral DNB (S)	Macherey-Nagel Thermo Electron Thermo Electron
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	Not available from GL Sciences PolySep-GFC-P3000 Shodex Ohpak SB-803 TKSgel G3000PWx1 YMC-Pack Polymer C18	Phenomenex Showa Denko Tosoh Corp. YMC Co. Ltd.
L38	A methacrylate-based size-exclusion packing for water-soluble samples	Not available from GL Sciences Micro Aquagel PolySep-GFC-P1000 Shodex Ohpak SB-800 TSKgel G-OligoPW TSKgel G-DNA-PW TSKgel G1000-G6000PWx1 TSKgel GMPWx1	Varian Inc. Phenomenex Showa Denko Tosoh Corp. Tosoh Corp. Tosoh Corp. Tosoh Corp.
L39	A hydrophilic polyhydroxymethacrylate gel of totally porous spherical resin	Not available from GL Sciences Micro Aquagel PolySep-GFC-P Shodex Ohpak SB-802 HQ RSpak DM-614 TSKgel G-OligoPW TSKgel G-DNA-PW TSKgel G1000-G6000PWx1 TSKgel GMPWx1 Ultrahydrogel	Varian Inc. Phenomenex Showa Denko Showa Denko Tosoh Corp. Tosoh Corp. Tosoh Corp. Tosoh Corp. Waters Corp.
L40	Cellulose tris-3,5-dimethylphenylcarbamate coated porous silica particles, 5 μm to 20 μm in diameter	Not available from GL Sciences CHIRALCEL OD	Daicel Chem. Ind., Ltd.e
L41	Immobilized ∇ ₁ -acid glycoprotein on spherical silica particles, 5 μm in diameter	Not available from GL Sciences Chiral-AGP	Chrom Tech AB

L42	Octylsilane and octadecylsilane groups chemically bonded to porous silica particles, 5 µm in diameter	Not available from GL Sciences 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	InertSustain PFP Allure PFP Propyl Discovery HS F5 TAC 1 Ultra PFP Propyl	GL Sciences Restek Corp. Supelco Whatman 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 ₈ functionality	Not available from GL Sciences Chromegabond RP-SCX	ES Industries
L45	Beta cyclodextrin bonded to porous silica particles, 5 to 10 µm in diameter	Not available from GL Sciences ChiraDex Chiral CD-Ph Cyclobond I 2000 series Cyclobond II series Cyclobond III series Keystone Chiral b-PM Keystone Chiral b-OH Nucleodex Beta-PM	Merck KgaA Shiseido Astec Astec Astec Thermo Electron Thermo Electron Macherey-Nagel
L46	Polystyrene/divinylbenzene substrate agglomerated with quaternary amine functionalized latex beads, about 10 µm in diameter	Not available from GL Sciences 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	Not available from GL Sciences CarboPac MA1	Dionex Corp.
L48	Sulfonated, cross-linked polystyrene with an outer layer of submicron, porous, anion-exchange microbeads, 15 µm in diameter	Not available from GL Sciences 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	Not available from GL Sciences 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 µm in diameter, and a surface area of not less than 350 m ² per g. substrate is coated with quaternary ammonium functionalized latex particles consisting of styrene cross-linked with divinylbenzene	Not available from GL Sciences OmniPac PAX-500	Dionex Corp.
L51	Amylose tris-3,5-dimethylphenylcarbamate-coated, porous, spherical, silica particles, 5 to 10 µm in diameter	Not available from GL Sciences Chiralpak AD	Chiral Technologies, Inc.
L52	A strong cation exchange resin made of porous silica with sulfopropyl groups, 5 to 10 µm in diameter	Not available from GL Sciences Supelcosil LC-SCX TSK IC-Cation TSKgel SP-2SW	Supelco Tosoh Corp. Tosoh Corp.
L53	Weak cation-exchange resin consisting of ethylvinylbenzene, 55% cross-linked with divinylbenzene copolymer, 3 to 15 µm diameter. Substrate is surface grafted with carboxylic acid and/or	Not available from GL Sciences IonPac CS14	Dionex Corp.

	phosphoric acid functionalized monomers. Capacity not less than 500 µEq/column		
L54	A size exclusion medium made of covalent bonding of dextran to highly cross-linked porous agarose beads, about 13 µm in diameter.	Not available from GL Sciences 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 µm in diameter	Not available from GL Sciences IC-Pak C M/D Universal Cation Universal Cation HR Waters Spherisorb SCX	Waters Corp. Alltech Associates, Inc. Alltech Associates, Inc. Waters Corp.
L56	Propyl silane chemically bonded to totally porous silica particles, 3 to 10 µm in diameter	Not available from GL Sciences Zorbax SB C-3	Agilent Technologies
L57	A chiral-recognition protein, ovomucoid, chemically bonded to silica particles, about 5 µm in diameter, with a pore size of 120 angstroms.	Not available from GL Sciences Ultron ES-OVM	Agilent
L58	Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the sodium form, about 7 to 11 µm diameter	Not available from GL Sciences Aminex HPX-87N	BioRad Laboratories
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	Not available from GL Sciences TSKgel G3000 SW	Tosoh Corp.
L60	Spherical, porous silica gel, 3 or 5 µm in diameter, the surface of which has been covalently modified with palmitamidopropyl groups and endcapped	Not available from GL Sciences Ascentis RP-Amide Supelcosil LC-ABZ Supelcosil LC-ABZ+ Discovery RP-Amide C16	Supelco Supelco Supelco Supelco
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%).	Not available from GL Sciences 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.	Not available from GL Sciences Develosil C30 Develosil RP-Aqueous Develosil Combi-RP Develosil RP-Aqueous-AR ProntoSIL C30 ProntoSIL C30 EC YMC-Pack Carotenoid	Nomura Chemicals Nomura Chemicals Nomura Chemicals Nomura Chemicals Bischoff Bischoff YMC Co., Ltd.
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.	InertSustain Amide Inertsil Amide	GL Sciences GL Sciences
L78	A silane ligand that consists of both reversed phase (an alkyl chain longer than C8) and anion-exchange (primary,	InertSustain AX-C18	GL Sciences

	secondary, or tertiary amino groups) functional groups chemically bonded to porous or non-porous silica or ceramic micro-particles, 1.0 to 50 µm in diameter, or a monolithic rod.		
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