

# USP LISTING OF HPLC COLUMNS

L Packing	Brand Name	L Packing	Brand Name
<b>L1</b> Octadecyl silane chemically bonded to porous silica or ceramic micro-particles, 1.5 μm to 10 μm in diameter, or a monolithic rod.	ZORBAX Eclipse Plus C18 ZORBAX Eclipse PAH ZORBAX Eclipse XDB-C18 ZORBAX Extend-C18 ZORBAX StableBond C18 ZORBAX Rx C18 ZORBAX ODS C18 ZORBAX ODS Classic  Inertsil ODS 2 Inertsil ODS 3, Inertsil ODS 3V Inertsil ODS Sprint Inertsil ODS Sulfa Inertsil P Inertsil ODS-80A Inertsil PREP-ODS (10 μm)	AminoQuant MetaSil AQ C18 MetaSil ODS MicroSorb C18 MicroSpher C18 MonoChrom C18 OmniSpher C18 Polaris C18-A Polaris C18-Ether Pursuit C18 Pursuit XR C18 ZORBAX Extend-C18 ZORBAX Rx C18 ZORBAX 300 StableBond C18	Ionospher A Metasil SAX
<b>L2</b> 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	Inertsil Econo PREP-ODS (40 μm) Generic C18		
<b>L3</b> Porous silica particles, 1.5 to 10 μm in diameter or a monolithic silica rod	ZORBAX SIL ZORBAX Rx-SIL  Pursuit XR Si MetaSil AQ Si MonoChrom Si  Inertsil Silica 100 Inertsil Silica 150	Luna Silica(2) MetaSil Basic Si MetaSil Silica Porasil MicroSorb Si MicroSpher Si Polaris Si Purospher STAR Si Pursuit Si Wakopak Wakosil 10SIL-120 Wakopak Wakosil 5SIL Prep	
<b>L4</b> Silica gel of controlled surface porosity bonded to a solid spherical core, 30 to 50 μm in diameter	Inertsil Econo PREP-SIL Guard Si		
<b>L5</b> Alumina of controlled surface porosity bonded to a solid spherical core, 30 to 50 μm in diameter	Supelclean LC-Alumina		
<b>L6</b> Strong Cation-exchange packing-sulfonated fluorocarbon polymer coated on a solid spherical core, 30 to 50 μm in diameter	Adsorbosphere XL SCX Partisil SCX		
<b>L7</b> Octylsilane chemically bonded to totally porous silica particles, 1.5 μm to 10 μm in diameter or a monolithic silica rod	ZORBAX Eclipse Plus C8 ZORBAX Eclipse XDB-C8 ZORBAX StableBond C8 ZORBAX Rx C8 Discovery Bio Wide Pore C8 Eclipse XDB C8 Eclipse Rx C8 Maxsil 5-C8 MetaSil C8 MicroSorb C8 Platinum 300 C8 Polaris C8-A	Purospher STAR RP8e Pursuit C8 Zodiac C8 ZORBAX C8  Pursuit XR C8 Monochrom C8  Inertsil C8 Inertsil C8-3 Inertsil PREP C8 (10 μm)	
<b>L8</b> An essentially monomolecular layer of aminopropylsilane chemically bonded to totally porous silica gel support, 10 μm in diameter	ZORBAX Carbohydrate ZORBAX NH2 ZORBAX AAA  Inertsil NH2 Nucleosil NH2	MetaSil NH2 MicroSorb NH2 Polaris NH2	
<b>L9</b> Irregular or spherical, totally porous silica gel having a chemically bonded, strongly acidic cation-exchange coating, 10 μm in diameter.	ZORBAX SCX ZORBAX 300SCX  Inertsil CX Nucleosil SA	Ionospher C MetaSil SCX	
<b>L10</b> Nitrile groups chemically bonded to porous silica particles, 3 to 10 μm in diameter	ZORBAX Eclipse XDB-CN ZORBAX 300 StableBond-CN ZORBAX CN ZORBAX StableBond-CN  Inertsil CN-3 Nucleosil CN	MetaSil CN MicroSorb CN	
<b>L11</b> Phenyl groups chemically bonded to porous silica particles, 5 μm to 10 μm in diameter	ZORBAX Eclipse XDB-Phenyl ZORBAX Eclipse Plus Phenyl-Hexyl ZORBAX Phenyl ZORBAX StableBond-Phenyl  Inertsil Ph (Phenyl) Inertsil Ph-3 (Phenyl)	MetaSil Phenyl MicroSorb Phenyl Pursuit DiPhenyl Pursuit XR DiPhenyl	
<b>L12</b> A strong anion-exchange packing made by chemically bonding a quaternary amine to a solid silica spherical core, 30 to 50 μm in diameter	SGX AX Generic SAX Guard SAX		
<b>L13</b> Trimethylsilane chemically bonded to porous silica particles, 3 to 10 μm in diameter	MetaSil C1 ZORBAX TMS  Chromagabond C1 GP-C1		
<b>L14</b> Silica gel 10 μm having a chemically bonded, strongly basic quaternary ammonium anion-exchange coating	ZORBAX SAX Inertsil AX HP-SAX Chromagabond SAX Nucleosil SB		Ionospher A Metasil SAX
<b>L15</b> Hexylsilane chemically bonded to totally porous silica particles, 3 to 10 μm in diameter	Ionospher A MetaSil SAX ZORBAX SAX MetaSil C6 Chromagabond C6		
<b>L16</b> Dimethylsilane chemically bonded to porous silica particles, 5 to 10 μm in diameter	Chromagabond C2 Nucleosil C2		
<b>L17</b> Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the hydrogen form, 7 to 11 μm in diameter	MetaCarb 67H (Agilent Tech.) MetaCarb 87H MetaCarb 64H MetaCarb USP L17 PL Hi-Plex H		MCI GEL CK08EH Ostion H + Aminex HPX-87H
<b>L18</b> Amino and cyano groups chemically bonded to porous silica particles, 3 to 10 μm in diameter	Chromagabond A/CN		
<b>L19</b> Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the calcium form, about 9 μm in diameter	MetaCarb 87C MetaCarb Ca Plus MetaCarb USP L19 Nucleogel Sugar Ca PL Hi-Plex Ca USP Polypore Ca		MCI GEL CK08EC Ostion Ca PL Hi-Plex Ca MetaCarb 67C
<b>L20</b> Dihydroxypropane groups chemically bonded to porous silica particles, 5 to 10 μm in diameter	MonoChrom Diol Inertsil Diol Nucleosil Diol		
<b>L21</b> A rigid, spherical styrene-divinylbenzene copolymer, 5 to 10 μm in diameter	PolyRP-100 PolyRP-300 MCI GEL CHP5C MCI GEL CHP10M Nucleogel RP		Chrompack P 300 RP PLRP-S 100A PLRP-S 1000A PLRP-S 300A PLRP-S 4000A
<b>L22</b> A cation-exchange resin made of porous polystyrene gel with sulfonic acid groups, about 10 μm in size	MetaCarb 64H MetaCarb 67H MetaCarb 87H MetaCarb H Plus PL Hi-Plex H		Generic SCX Proteomix SCX-POR CarboSep COREGEL 87C
<b>L23</b> An anion-exchange resin made of porous polymethacrylate or polyacrylate gel with quaternary ammonium groups, about 10 μm in size	MCI GEL CQA35S		
<b>L24</b> 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		
<b>L25</b> 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	MCI GEL CQP6 Hemo S 10, 20 Hemo Bio 10,20		
<b>L26</b> Butyl silane chemically bonded to totally porous silica particles, 3 to 10 μm in diameter	MicroSorb C4 Inertsil C4 Inertsil WP300 C4		
<b>L27</b> Porous silica particles 30 to 50 μm in diameter	Bondesil Silica Inertsil Econo PREP-SIL Generic Silica		
<b>L28</b> A multi-functional support, which consists of a high purity, 100Å, spherical silica substrate that has been bonded with anionic exchanger, amine functionality in addition to a conventional reversed phase C8 functionality	Generic C8/Amino ProTex C8		
<b>L29</b> Gamma alumina, reverse-phase low carbon percentage by weight, alumina-based polybutadiene spherical particles, 5 μm in diameter with a pore volume of 80Å units	Gammabond ARP-1 Gammabond Alumina Patency		
<b>L30</b> Ethyl silane chemically bonded to totally porous silica particles, 3 to 10 μm in diameter	Chromagabond C2-E GP-C2 Nucleosil C2		

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<b>L31</b> A strong anion-exchange resin-quarternary 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	MCI GEL SCA04	<b>L48</b> Sulfonated, cross-linked polystyrene with an outer layer of submicron, porous, anion-exchange microbeads, 15 μm in diameter	IonPac ASS IonPac AS7
<b>L32</b> A chiral ligand-exchange resin packing-L-proline copper complex covalently bonded to irregularly shaped silica particles, 5 to 10 μm in diameter	CHIRALCEL WH MCI GEL CRS10W MCI GEL CRS15W	<b>L49</b> A reversed-phase packing made by coating a thin layer of polybutadiene on to spherical porous zirconia particles, 3 to 10 μm in diameter	Discovery ZR-PBD
<b>L33</b> Packing having the capacity to separate proteins by molecular size over a range of 4,000 to 400,000 daltons. It is spherical, silica-based, and processed to provide pH stability	Nanofilm SEC-150 Nanofilm SEC-250 Nanofilm SEC-500 SRT SEC-100 SRT SEC-150 SRT SEC-300 SRT SEC-500 Nucleosil 125-S GFC	<b>L50</b> 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 350m <sup>2</sup> /g. Substrate is coated with quaternary ammonium functionalized latex particles consisting of styrene cross-linked with divinylbenzene	Proteomix SAX-POR
<b>L34</b> Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the lead form, about 9 μm in diameter	MetaCarb 87P MetaCarb Pb PL Hi-Plex Pb	<b>L51</b> Amylose tris-3,5-dimethylphenylcarbamate-coated, porous, spherical, silica particles, 5 to 10 μm in diameter	Chiralpak AD
<b>L35</b> A zirconium-stabilized spherical silica packing with a hydrophilic (diol-type) molecular monolayer bonded phase having a pore size of 150 Å	ZORBAX GF-250 ZORBAX GF-450	<b>L52</b> A Strong cation exchange resin made of porous silica with sulfopropyl group, 5 to 10 μm in diameter	Ionospher C Supelcosil LC - SCX TSK IC-Cation TSKgel SP-25W
<b>L36</b> A 3, 5-dinitrobenzoyl derivative of L-phenylglycine covalently bonded to 5 μm aminopropyl silica	Nucleosil Chiral-3	<b>L53</b> 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 phosphoric acid functionalized monomers. Capacity not less than 500 μEq/column	MCI GEL SCK01
<b>L37</b> 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	Shodex ODP2 HP series Shodex OHPak SB-803 HQ HEMA BIO 20 HEMA BIO 40	<b>L54</b> A size exclusion medium made of covalent bonding of dextran to highly cross-linked porous agarose beads, about 13 μm in diameter	Superdex Peptide HR 10/30
<b>L38</b> A methacrylate-based size-exclusion packing for water-soluble samples	MCI GEL COP10 MCI GEL COP30 HEMA S 100,300,1000 HEMA BIO 100,300,1000	<b>L55</b> A strong cation exchange resin made of porous silica coated with polybutadiene-maleic acid copolymer, about 5 μm in diameter	Universal Cation Universal Cation HR
<b>L39</b> A hydrophilic polyhydroxy-methacrylate gel of totally porous spherical resin	MCI GEL CHP2MGM MCI GEL CHP2MGM HEMA BIO 1000	<b>L56</b> Propyl silane chemically bonded to totally porous silica particles, 3 to 10 μm in diameter	Zorbax StableBond C3
<b>L40</b> Cellulose tris-3, 5-dimethylphenylcarbamate coated porous silica particles, 5 μm to 20 μm in diameter	CHIRALCEL OD	<b>L57</b> A chiral-recognition protein, ovomucoid, chemically bonded to silica particles, about 5 μm in diameter, with a pore size of 120 angstroms.	Ultron ES-OVM
<b>L41</b> Immobilized α1-acid glycoprotein on spherical silica particles, 5 μm in diameter	Chiral-AGP	<b>L58</b> Strong cation-exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the sodium form, about 6 to 30 μm diameter	MetaCarb 87N PL Hi-Plex Na  MCI GEL CK08S MCI GEL CK08E MCI GEL CK04S
<b>L42</b> Octylsilane and octadecylsilane groups chemically bonded to porous silica particles, 5 μm in diameter	Chromagabond PSC	<b>L59</b> Packing having the capacity to separate proteins by molecular weight over the range of 5 to 7000 kDa. It is spherical (5-10 μm), silica-based, and processed to provide hydrophilic characteristics and pH stability	Nanofilm SEC-150 Nanofilm SEC-250 Nanofilm SEC-500 SRT SEC-100 SRT SEC-150 SRT SEC-300 SRT SEC-500 SRT SEC-1000
<b>L43</b> Pentafluorophenyl groups chemically bonded to silica particles by a propyl spacer, 5 to 10 μm in diameter	Pursuit PFP Discovery HS F5 TAC 1	<b>L60</b> Spherical, porous silica gel, 10 μm or less in diameter, the surface of which has been covalently modified with alkyl amide groups and endcapped	Zorbax Bonus- RP Polaris Amide-C18
<b>L44</b> 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 C8 functionality	Chromagabond RP-SCX Generic C8/SX	<b>L61</b> 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 quaternary ammonium ions (6%)	Ion Pac AS-11 Ion Pac AG-11
<b>L45</b> Beta cyclodextrin bonded to porous silica particles, 5 to 10 μm in diameter	Chirodex		
<b>L46</b> Polystyrene / divinylbenzene substrate agglomerated with quaternary amine functionalised latex beads, about 10 μm in diameter	AminoPac PA1 CarboPac PA1		
<b>L47</b> High capacity anion-exchange microporous substrate, fully functionalized with a trimethylamine group, 8 μm in diameter	MCI GEL CQA31S		

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<b>L62</b> C30 silane bonded phase on a fully porous spherical silica, 3 to 15 μm in diameter.	Develsil C30 PromoSIL C30	<b>L##</b> (Dalteparin Sodium, Cation-exchange Dowex 50WX2)	Dowex 50WX2
<b>L63</b> Glycopeptide teicoplanin linked through multiple covalent bonds to a 100 Å units spherical silica	Astec Chirobiotic T Astec Chirobiotic T	<b>L##</b> (Glucosamine, Shodex NH2P-50)-Polyamine chemically bonded to cross-linked polyvinyl alcohol polymer, 5μm in diameter	apHera NH2 Amino Shodex NH2P50
<b>L64</b> Strongly basic anion exchange resin consisting of 8% crosslinked styrene divinylbenzene copolymer with a quaternary ammonium group in the chloride form, 45 to 180 μm in diameter	AG1-X8	<b>L##</b> (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
<b>L65</b> Strongly acidic cation exchange resin consisting of 8% sulfonated crosslinked styrene divinylbenzene copolymer with a sulfonic acid group in the hydrogen form, 63 to 250μm in diameter	AG 50W-X2	<b>L##</b> (Formateral Fumarate, apHera C18) – Porous vinyl alcohol copolymer with a C18 alkyl group attached to the hydroxyl group of the polymer.	apHera C18 Asahipak ODP-40 Asahipak ODP-50
<b>L66</b> A crown ether coated on 5um particle size get substrate. The active site is (S) -18 -crown-6-ether	Crownpak CR (+)	<b>L##</b> (Ethylhexyl triazone, FluorFix) – Fluorocarbon chains chemically bonded to 5 μm spherical silica particles	FluorFix-II 120E FluorFix 120E FluorFix 120N
<b>L##</b> (Dalteparin Sodium Anion-exchange Dowex 1X8)	Dowex 1X8	<b>L##</b> (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

## USP LISTING OF GC COLUMNS

<b>G1</b> Dimethylpolysiloxane Oil	DB-1 DB-1ht DB-1ms HP-1 HP-1ms Ultra-1	VF-1ms CP-Sil 5 CB CP-Sil 5 CB LOW BLEED/MS SF-96	<b>G15</b> Polyethylene glycol (av.mol.wt. of 3000 to 3700)	DB-WAX DB-WAXetr	Carbowax 4000 Carbowax 3350
<b>G2</b> Dimethylpolysiloxane gum	DB-1 DB-1ht DB-1ms HP-1 HP-1ms Ultra-1	VF-1ms CP-Sil 5 CB CP-Sil 5 CB LOW BLEED/MS CP-SimDist Silicone OV-101	<b>G16</b> Polyethylene glycol compound (ac.Mol.wwt. About 15,000). A high molecular weight compound of polyethylene glycol with a diepoxide linker. Available commercially as Polyethylene Glycol Compound 20M, or as Carbowax 20M, from suppliers of chromatographic reagents.	DB-WAX DB-WAXetr HP-Innowax	VF-WAXms CP-Wax 52 CB Carbowax 20M
<b>G3</b> 50 % Phenyl-50% methylpolysiloxane	DB-17 DB-17HT DB-17ms HP-50+	VF-17ms CP-Sil 24 CB CP-Sil 24 CB LOW BLEED/MS Silicone OV-17	<b>G17</b> 75% Phenyl-25% methylpolysiloxane.	DB-17, DB-17ms, HP-50+	Silicone OV-25
<b>G4</b> Diethylene glycol succinate polyester. DEGS-P	DEGS Hi-EFF-1BP		<b>G18</b> Polyalkylene glycol	PAG	UCON LB-550-X UCON LB-550-X UCON LB-1800-X
<b>G5</b> 3-Cyanopropylpolysiloxane	DB-23 HP-88	VF-23ms Select for FAME CP-Sil 88 Silar 9 and 10 Phases	<b>G19</b> 25% Phenyl-25% cyanopropyl-50% methylpolysiloxane	DB-225, DB-225ms	CP-Sil 43 CB Silicone OV-225
<b>G6</b> Trifluoropropylmethylpolysiloxane	DB-200, DB-210	VF-200ms Silicone OV-210 Silicone OV-200 QF-1	<b>G20</b> Polyethylene glycol (av.mol.wt. of 350 to 420)	DB-WAX DB-WAXetr HP-Innowax	CP-Carbowax 400 Carbowax 400
<b>G7</b> 50% 3-Cyanopropyl 50% phenylpolysiloxane	DB-225, DB-225ms	CP-Sil 43 CB Silar 5 CP	<b>G21</b> Neopentyl glycol Succinate	Hi-EFF-3BP Neopentyl Glycol Succinate	
<b>G8</b> 80% Bis (3-Cyanopropyl -20% 3-cyanopropylphenyl)polysiloxane (percentages refer to molar substitution)	HP-88 VF-23ms Silar 9 CP		<b>G22</b> Bis(2-ethylhexyl) phthalate	Bis(2-ethylhexyl) phthalate	
<b>G9</b> Methylvinylpolysiloxane	Optima 1 Optima 1 MS Optima 1 MS Accent	VF-1ms CP-Sil 5 CB CP-Sil 5 CB LOW BLEED/MS	<b>G23</b> Polyethylene glycol adipate	EGA	Hi-EFF-2AP
<b>G10</b> Polyamide formed by reacting a C36 dicarboxylic acid with 1,3-di-4-piperidylpropane and piperidine in the respective mole ratios of 1.00:0.90:0.20	Poly-A 103 Polyamide		<b>G24</b> Diisodecyl phthalate, DIDP	Diisodecyl phthalate	
<b>G11</b> Bis (2-ethylhexyl) sebacate polyester, DEHS-P	Bis(2-ethylhexyl)sebacate polyester Di-n-octyl sebacate		<b>G25</b> Polyethyleneglycol TPA. A high molecular weight compound of a polyethylene glycol and a diepoxide that is esterified with terephthalic acid.	DB-FFAP HP-FFAP	CP-Wax 58 (FFAP) CB CP-FFAP CB Carbowax 20M-TPA
<b>G12</b> Phenylmethanolamine succinate polyester.	Phenylmethanolamine succinate	Hi-EFF-10BP	<b>G26</b> 25% 2-Cyanoethyl-75% methylpolysiloxane	XE-60 (globally no longer available)	
<b>G13</b> Sorbitol	Sorbitol		<b>G27</b> 5% Phenyl-95% methylpolysiloxane.	DB-5 DB-5ms DB-5ht HP-5 HP-5ms Ultra-2	VF-5ms VF-5ht CP-Sil 8 CB CP-Sil 8 CB LOW BLEED/MS Silicone SE-52 Silicone SE-54 Silicone OV-73
<b>G14</b> Polyethylene glycol (av.mol.wt. of 950 to 1050)	DB-WAX DB-WAXetr Carbowax 1000		<b>G28</b> 25 % Phenyl-75 % methylpolysiloxane	DB-35 DB-35ms HP-35	Silicone DC-550
			<b>G29</b> 3,3'- Thiodipropionitrile.	Permabond SE-52	Thiodipropionitrile
			<b>G30</b> Tetraethylene glycol dimethyl ether.	Tetraethylene glycol dimethyl ether.	

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<b>G31</b> Nonylphenoxy (ethyleneoxy) ethanol (avethyleneoxy chain length is 30)	Igepal CO-880	Nonoxynol 30	
<b>G32</b> 20% Phenylmethyl-80% dimethylpolysiloxane	DB-35, HP-35, DB-35ms	Silicone OV-7	
<b>G33</b> 20% Carborane-80% dimethylpolysiloxane	Dexsil 300GC		
<b>G34</b> Diethylene glycol succinate polyester stabilized with phosphoric acid	DEGS-PS	Hi-EFF-1BP + H3PO4 (10 : 1)	
<b>G35</b> A high molecular weight compound of polyethylene glycol and a diepoxide that is esterified with nitroterephthalic acid	DB-FFAP, HP-FFAP	CP-Wax 58 (FFAP) CB CP-FFAP CB Carbowax 20M-TPA	
<b>G36</b> 1% Vinyl-5% phenylmethylpolysiloxane	DB-5 DB-5ms DB-5ht HP-5 HP-5ms Ultra-2	VF-5ms VF-5ht CP-Sil 8 CB CP-Sil 8 CB LOW BLEED/MS Silicone SE-52 Silicone SE-54 Silicone OV-73	
<b>G37</b> Polyimide	Poly I-110		
<b>G38</b> Phase G1 containing a small percentage of a tailing inhibitor	DB-1 DB-1ht DB-1ms HP-1 HP-1ms Ultra-1	Silicone OV-101 + 0.1 % Carbowax 1500	
<b>G39</b> Polyethylene glycol (av.mol.wt.about 1500)	DB-WAX DB-WAXetr HP-Innowax	Carbowax 1500	
<b>G40</b> Ethylene glycol adipate	Hi-EFF-2AP		
<b>G41</b> Phenylmethyldimethylpolysiloxane (10% phenyl-substituted)	DB-5, DB-5ht, DB-5ms HP-5, HP-5ms, Ultra-2	OV-3	
<b>G42</b> 35% phenyl-65% methylpolysiloxane (percentages refer to molar substitution)	DB-35,HP-35,DB-35ms	VF-35ms Silicone OV-11	
<b>G43</b> 6% cyanopropylphenyl-94% dimethylpolysiloxane (Percentages refer to molar substitution)	DB-624, DB-1301	VF-624ms VF-1301ms CP-1301 CP-Select 624 CB Silicone OV-1301	
<b>G44</b> 2% low molecular weight petrolatum hydrocarbon grease and 1% solution of potassium hydroxide	Apiezon L + 1 % KOH		
<b>G45</b> Divinylbenzene-ethylene glycol-dimethylacrylate	HP-PLOT U	CP-PoraBOND U CP-PoraPLOT U HayeSep A HayeSep N	
<b>G46</b> 14% Cyanopropylphenyl-86% methylpolysiloxane.	DB-1701, DB-1701P	VF-1701ms CP-Sil 19 CB CP-Sil 19 CB LOW BLEED/MS Silicone OV-1701	
<b>G47</b> Polyethylene glycol (av. mol.wt.of about 8000)	DB-WAX DB-WAXetr HP-Innowax	Carbowax 8000	
<b>G48</b> Highly polar, partially cross-linked cyanopropylpolysiloxane	HP-88	VF-23ms	
<b>G# #</b> (Docosahexaenoic acid, Famewax) Polyethylene glycol, cross-linked (av. Mol. wt. of not more than 20,000).	DB-WAX DB-WAXetr HP-Innowax	VF-WAXms CP-Wax 52 CB Carbowax 20M	
<b>G# #</b> (Tetrafluoroethane, Bentone 34/SP-1200) Aluminosilicate montmorillonite that has been treated with dimethylacetate/ammonium salts plus a low polarity ester phase.	Bentone 34/SP-1200		
<b>G# #</b> (Tetrafluoroethane, Krytox) A perfluorinated polyether fluid.	Krytox		
<b>S1A</b> Siliceous earth for gas chromatography has been flux-calcined by mixing diatomite with Na <sub>2</sub> CO <sub>3</sub> , flux and calcining above 900°C. The siliceous earth is acid-washed, then water-washed until neutral, but not base-washed. It may be silanized by treating with an agent such as dimethyldichlorosilane to mask surface silanol groups.	Chromosorb W-HP Chromosorb W-AW Chromosorb W AW-DMCS SUPELCOPORT		
<b>S1AB</b> The siliceous earth as described above is both acid-and base-washed.	SUPELCOPORT BW Chromosorb W HP		
<b>S1C</b> A support prepared from crushed firebrick and calcined or burned with a clay binder above 900°C with subsequent acid-wash. It may be silanized.	Chromosorb P AW Chromosorb P AW-DMCS		
<b>S1NS</b> The siliceous earth is untreated	Chromosorb W NAW		
<b>S2</b> Styrene-divinylbenzene copolymer having a nominal surface area of less than 50 m <sup>2</sup> /g and an average pore diameter of 0.3 to 0.4μm.	Chromosorb 101 Gas Chrom 254		
<b>S3</b> Copolymer of ethylvinylbenzene and divinylbenzene having a nominal surface area of 500 to 600 m <sup>2</sup> /g and an average pore diameter of 0.0075 μm	Porapak Q HayeSep Q		
<b>S4</b> Styrene-divinylbenzene copolymer with aromatic-O and -N groups, having a nominal surface area of 500 to 600 m <sup>2</sup> /g and an average pore diameter of 0.0076 μm.	Porapak R HayeSep R		
<b>S5</b> 40- to 60-mesh, high-molecular weight tetrafluoroethylene polymer.	Chromosorb T		
<b>S6</b> Styrene-divinylbenzene copolymer having a nominal surface area of 250 to 350 m <sup>2</sup> /g and an average pore diameter of 0.0091 μm	Porapak P Chromosorb 102 HayeSep P		
<b>S7</b> Graphitized carbon having a nominal surface area of 12 m <sup>2</sup> /g.			
<b>S8</b> 4-vinylpyridine styrene-divinylbenzene co-polymer	Porapak S HayeSep S		
<b>S9</b> A porous polymer based on 2, 6-diphenyl-p-phenylene oxide.	Tenax TA		
<b>S10</b> A highly polar cross-linked copolymer of acrylonitrile and divinylbenzene	HayeSep C		
<b>S11</b> Graphitized carbon having a nominal surface area of 100 m <sup>2</sup> /g modified with small amounts of petrolatum and polyethylene glycol compound	3% Carbowax 540 on Graphpac-GB, 80 / 120		
<b>S12</b> Graphitized carbon having a nominal surface area of 100 m <sup>2</sup> /g	Carbopack B		
<b>S# #</b> (Tetrafluoroethane, Porapak T) Polymer based on highly polar ethylene glycol dimethacrylate monomer, with a surface area of 225-350 m <sup>2</sup> /g	Porapak T HayeSep T		

