

HPLC USP — Selection Guide



HPLC USP SELECTION GUIDE

USP Phase	imChem Choice	imChem 2nd Choice	Alternative to*
L1 (C18)	Surf C18	Shaper C18 (high resolution)	Ace, Inertsil, Luna, Nucleosil, Symmetry, YMC- Pack, Zorbax
		Coral Global C18 (scale-up choice)	
	Surf Extreme C18 (pH 1 to 10)	Shaper Extreme C18 (high resolution)	Gemini, InertSustain, XTerra, XBridge, Zorbax Extend, YMC TriArt
		Coral Extreme C18 (scale-up choice)	
	Surf C18 AQ (100% aqueous mobile phase)	Shaper C18 AQ (high resolution)	Atlantis, Ace AQ, Inertsil EP, Nova-Pak, Nucleosil AQ, Synergi, YMC-Pack AQ
		Coral C18 AQ (scale-up choice)	
	Cosmocore C18 (core-shell)	---	Accucore, Ascentis, Cortecs, Halo, Kinetex, Poroshell
Surf Bio-C18 (300Å)	---	Ace 300, Inertsil WP300, Jupiter, Nucleosil 300, Symmetry 300, Zorbax 300	
SunShell C18-WP (wide pore core-shell)	---	Accucore XL, Aeris, Halo	
L2 (Prep C18)	Coral Global C18	---	Bondapak Prep
L3 (Silica)	Surf Si	Shaper Si (high resolution)	Inertsil, Luna, Nucleosil, Symmetry, Synergi, YMC- Pack, Zorbax
		Coral Si (scale-up choice)	
	Sunshell HILIC (core-shell)	---	Accucore, Ascentis, Kinetex
L4 (Prep Silica)	Coral Si	---	Porasil Prep
L5 (Alumina)	---	---	---
L6 (Prep SCX)	Surf SCX	---	---

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L7 (C8)	Surf C8	Shaper C8 (high resolution)	Ace, Inertsil, Luna, Nucleosil, Symmetry, YMC- Pack, Zorbax
		Coral Global C8 (scale-up choice)	
	Surf Extreme C8 (pH 1 to 10)	Shaper Extreme C8 (high resolution)	Gemini, InertSustain, XTerra, XBridge, Zorbax Extend, YMC TriArt
		Coral Extreme C8 (scale-up choice)	
	Surf C8 AQ (100% aqueous mobile phase)	Shaper C8 AQ (high resolution)	Atlantis, Ace AQ, Nova-Pak, Nucleosil AQ, YMC-Pack AQ
		Coral C8 AQ (scale-up choice)	
SunShell C8 (core-shell)	---	Accucore, Ascentis, Cortecs, Halo, Kinetex, Poroshell	
Surf Bio-C8 (300Å)	---	Ace 300, Inertsil WP300, Jupiter, Nucleosil 300, Symmetry 300, Zorbax 300	
L8 (Amino)	Surf NH2	---	Ace, Inertsil, Luna, Nucleosil, YMC-Pack, Zorbax
L9 (SCX)	Surf SO3H	---	Luna, Nucleosil, Partisil, Spherisorb
L10 (CN)	Surf CN	---	Ace, Inertsil, Luna, Nucleosil, Spherisorb, YMC- Pack, Zorbax
L11 (Phenyl)	Surf Phenyl	---	Ace, Inertsil, Luna, Nucleosil, Spherisorb, YMC- Pack, Zorbax
	Surf Phenyl-Hexyl		
	SunShell Phenyl (core-shell)	---	Accucore, Ascentis, Halo, Kinetex
L12 (Prep SAX)	Zodiac Prep SAX	---	Accell Plus
L13 (C1)	PerfectChrom C1	---	Hypersil, Kromasil, Spherisorb, YMC-Pack, Zorbax
L14 (SAX)	PerfectChrom SAX	---	Hypersil, Nucleosil, PhenoSphere, Spherisorb, Zorbax

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L15 (C6)	PerfectChrom C6	---	PhenoSphere, Spherisorb
L16 (C2)	ReproSil-Gold C2	---	Maxsil, Nucleosil
L17 (PSDVB H+)	Hamilton HC-75 H+	ReproGel H	Aminex, HyperREZ, Nucleogel, Rezex, Shodex, Supelcogel
L18 (NH ₂ + CN)	ReproSil PAC	---	Partisil
L19 (PSDVB Ca++)	Hamilton HC-75 Ca	ReproGel Ca	Aminex, Hi-Plex, HyperREZ, Nucleogel, Rezex, Shodex, Supelcogel
L20 (Diol)	Surf Diol	---	Kromasil, LiChrospher, Luna, Supelcosil, YMC-Pack
L21 (PSDVB)	Hamilton PRP-X	---	Nucleogel, PLRP-S, PolymerX, Shodex, TSKgel
L22 (PSDVB SCX)	Hamilton PRP-X300	---	Hamilton, Nucleogel, Shodex, TSKgel
L23 (PMA WAX)	Hamilton PRP-X500	---	BioSuite, Hamilton, Nucleogel, Shodex, TSKgel
L24 (PVA)	YMC-Pack PVA-Sil	---	---
L25 (PMA ether-linked)	Shodex OHpak	---	Hypergel, PolySep-GFC, TSKGel
L26 (C4)	Surf C4	---	Ace, Hypersil, Nucleosil, YMC-Pack
	Surf Bio-C4 (300Å)	---	Ace, Jupiter, Nucleodur, Symmetry 300, Vydac, YMC-Pack Protein
	Halo Protein C4 (partículas Core-Shell)	---	Aeris
L27 (Prep Silica)	Coral Si	---	HyperPrep, Septra
L28 (C8/Amino)	Zodiac C8/Amino	---	---

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L29 (Gamma Alumina)	Gammabond ARP-1	---	---
L30 (C2)	Zodiac Sil C2	---	Maxsil, Nucleosil
L31 (WP SAX)	Dionex IonPac AS16	---	MCI Gel
L32 (L-proline)	ReproSil-Chiral-L-Hydroxy-Proline	---	Astec, Chiralcel, Nucleosil
L33 (SEC)	ReproGel SEC	---	BioBasic, BioSep, Shodex Protein, TSKgel, Yarra
L34 (PSDVB Pb+)	Hamilton HC-75 Pb2+	---	Aminex, HyperREZ, Rezex, Shodex, Supelcogel
L35 (Diol SEC)	Zorbax GF	---	BioSep
L36 (L-phenylglycine)	ReproSil-Chiral-PhenylGlycin	---	Nucleosil
L37 (PMA)	ReproMer OH-60	---	PolySep, Shodex, TSKgel
L38 (PMA)	ReproMer OH	---	PolySep-GFC, Shodex, TSKgel, Ultrahydrogel
L39 (PMA)	Shodex ODP2 HP	---	PolySep, TSKgel, Ultrahydrogel
L40 (Cellulose)	ReproSil Chiral-OM	---	Chiralcel, Kromasil, Lux, YMC-Chiral
L41 (AGP)	Chiral AGP	---	---
L42 (C8/C18)	Hichrom RPB	---	---
L43 (PFP)	Cosmosil PFP	---	Ace, Hypersil, Luna, YMC-Pack, XSelect
	SunShell PFP (core-shell)	---	Accucore, Ascentis, Halo, Kinetex, Nucleoshell
L44 (C8/SCX)	Zodiac C8/SCX	---	---

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L45 (Betacyclodextrin)	Reprosil Chiral Beta-PM	---	ChiraDex, Chiral CD-Ph, Nucleodex, Ultron ES
L46 (PSDVB QA)	Dionex CarboPac PA10	---	CarboPac, OmniPac
L47 (PSDVB TMA)	Hamilton PRPX-110	---	CarboPac
L48 (PSDVB WAX)	Dionex IonPac	---	---
L49 (Zirconia)	ZirChrom PBD	---	---
L50 (PEVB SAX)	Zodiac Protein SAX	---	OmniPac
L51 (Amylose)	ReproSil Chiral-AM	---	Chiralpak, Kromasil, Lux
L52 (SCX)	Surf SCX	---	BioBasic, TSKgel
L53 (PEVB WCX)	Dionex IonPac CS14	---	---
L54 (Agarose beads)	Superdex Peptide HR 10/300	---	---
L55 (PBMA SCX)	Reprosil CAT	---	---
L56 (C3)	UltraSep ES RP3	---	Zorbax
L57 (Ovomucoid)	Ultron ES-OVM	---	---
L58 (PSDVB Na+)	ReproGel Na	---	Aminex, HyperREZ, Hi-Plex, Nucleogel, Rezex, Shodex
L59 (SEC)	ReproSil SEC	---	BioSep-SEC, BioSuite, Discovery BIO, Shodex KW, TSKgel, Yarra
L60 (C18/Amide)	ReproSil Amide-C18-ABZ	---	Discovery, Nucleosil, Polaris, Zorbax
	HALO RP-Amide (core-shell)	---	Ascentis

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L61 (PEDV SAX)	Dionex IonPac AG11	---	---
L62 (C30)	Surf C30	---	Acclaim, Develosil, YMC Carotheroid
	SunShell RP-AQUA (core-shell)	---	Accucore
L63 (Glycopeptide teicoplanin)	ReproSil Chiral-TAG	---	Astec Chirobiotic
L64 (PSDVB QA)	BioRad AG 1-X8	---	---
L65 (PSDVB AS)	BioRad AG 50W-X2	---	---
L66 (crown ether chiral)	Crownpak CR(+)	---	---
L67 (PVA C18)	Asahipak ODP-50	---	---
L68 (Amide)	SunShell HILIC-Amide	---	Acquity, TSKgel, XBridge
	SunShell HILIC-Amide (core-shell)	---	---
L69 (PEDVB QA)	Dionex CarboPac PA20	---	---
L70 (Cellulose TPC)	ReproSil Chiral-CM	---	Chiralcel
L71 (PMA)	Shodex RSpak DE	---	---
L72 (Phenylglycine + dinitroaniline)	Sumichiral OA-3000	---	---
L73 (PDVB)	ReproMer 100-RPS	---	---
L74 (PEDVB SAX)	Dionex IonPac AS14A	---	---
L75 (BSA)	ReproSil Chiral-BSA	---	Resolvosil

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L76 (PBMA WCX)	Dionex IonPac SCS-1	---	Metrosep
L77 (PEDVB WCX)	Shodex IC YK-421	---	---
L78 (C8/QA)	Exsil Quattro	Stability BS	Acclaim
L79 (HSA)	ReproSil Chiral-HSA	---	Chiralpak
L80 (Cellulose)	ReproSil Chiral-JM	---	Chiralcel, Lux
L81 (PEDVB SAX)	Dionex IonPac AS11	---	---
L82 (Polymeric NH2)	Asahipak NH2P	---	---
L83 (PEDVB SAX)	Dionex IonPac AS17	---	---
L84 (PEDVB WCX)	Dionex IonPac CS16	---	---
L85 (C8/CM)	Acclaim WCX-1	---	---
L86 (OH5)	Ascentis Express OH5	---	---
L87 (C12)	ReproSpher-100 C12	---	Synergi
L88 (Glycopeptide vancomycin)	Astec Chirobiotic-V	---	---
L89 (PMA with cation exchange)	Shodex OHpak SB- 802.5 HQ	---	---
L90 (Amylose)	ReproSil Chiral-AMS	---	Chiralpak
L91 (PSDVB/QA)	Ultron CL-II	---	---

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L92 (PSDVB/QA)	Dionex IonPac AS15	---	---
L93 (Cellulose)	ReproSil Chiral-OM	---	Chiralpak
L94 (PSDVB/QA)	Dionex IonPac AS4A	---	---
L95 (Hydroxyl)	HALO Glycan	---	---
L96 (100% aqueous RP)	Surf C18-AQ	Shaper C18 AQ (high resolution) Coral C18 AQ (scale-up choice)	Atlantis, Ace AQ, Inertsil EP, Nova-Pak, Nucleosil AQ, Synergi, YMC-Pack AQ
L97 (PSDVB/WAX)	Dionex IonPac CS19	---	---
L98 (PSDVB/WAX)	Dionex IonPac CG19	---	---
L99 (Amylose)	ReproSil Chiral-MIA	---	Chiralpak, Cosmosil Chiral
L100 (PSDVB/CX+AX)	Dionex IonPac CS5A	---	---
L101 (Cholesteryl)	Cosmosil Cholester Cosmocore Cholester (core-shell)	---	---
L102 ((S,S) Whelk-O 1)	(S,S) Whelk-O 1	---	---
L103 (Hydroxide- selective SAX)	Dionex IonPac AS19	---	---
L104 (Triazole)	Cosmosil HILIC	---	---
L105 (Wide pore SAX)	Dionex IonPac AS12A	---	---
L106 (WAX)	Dionex IonPac CS12A	---	---

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L107 (Cellulose)	ReproSil Chiral-JM	---	Chiralpak
L108 (Cellobiohydrolase)	Chiralpak CBH	---	---
L109 (Porous graphitic carbon)	Hypercarb	---	---
L110 (SAX)	Dionex IonPac AG12A	---	---
L111 (Polyamine)	Hypersil GOLD AX	---	---
L112 (Hydroxide-selective SAX)	Dionex IonPac AG10	---	---
L113 (Hydroxide-selective SAX)	Dionex IonPac AS18	---	---
L114 (Sulfobetaine graft-polymerized)	Poroshell HILIC-Z	---	---
L115 (Ethylvinylbenzene/divinylbenzene/QA)	Dionex CarboPac PA100	---	---
L116 (Sulfonated ethylvinylbenzene/divinylbenzene/QA)	Dionex DNAPac PA100	---	---
L117 (crown ether chiral)	Crownpak CR(-)	---	---
L118 (Aqueous polymerized C18)	MZ-PAH	---	---
L119 (Cellulose)	ReproSil Chiral-MIC	---	Chiralpak, Cosmosil Chiral
L120 (Hydroxide-selective SAX)	Dionex IonPac AG18	---	---

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L121 (Hydroxide-selective SAX)	Dionex IonPac AG19	---	---
L122 (Sulfobetaine graft-polymerized)	SeQuant ZIC-pHILIC	---	---
L123 (Cellulose)	ReproSil Chiral-JM	---	Chiralpak, Lux
L124 (PSDVB Ag+)	Repromer Ag	---	---
L125 (PVA)	Shodex IC YS-50	---	---
L126 (Amylose)	ReproSil Chiral-ID	---	Chiralpak
L127 ([S]- pseudo-18-crown-6-ether)	Sumichiral OA-8000	---	---
L128 (PSDVB)	PLgel Mixed-C	---	---
L129 (Hydroxide-selective, sodium and potassium complexing resin)	Thermo Cryptand A1 & G1	---	---
L130 (Cellulose)	ReproSil Chiral-OM	---	Chiralpak, Lux

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