

www.technopakhplc.com



Wesley Technology Inc (USA)

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Wesley Technologies Inc, provides **Technopak** HPLC columns. The **Technopak** chromatography product line includes several robust reversed phase, Normal Phase, Ion Exchange, prep columns , Chiral Columns and UPLC Columns All are well recognized worldwide. Wesley Technologies has operations in more than 19 countries

Technopak column



Technopak HPLC COLUMNS

Wesley Technologies Inc, USA

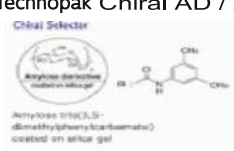
Phase	USP	PH stability	Particle Size	Pore Size	Surface Area	Carbon load
Technopak C18	L1	1.5-10	3,5,10um	100/120/300	320	17%
Technopak C18 AQ	L1	1.5-10	3,5,10um	100/120	320	12%
Technopak C18 Polar	L1	1.5-10	3,5,10um	100/120	320	18%
Technopak C18 HPH	L1	1.0-12.5	3,5,10um	100/150	320	14%
Technopak BDS C18	L1	2.0-8.0	3,5,10um	100/120	320	18%
Technopak C18 HS	L1	2.0-8.0	3,5,10um	100/120	450	25%
Technopak ODS	L1	2.0-8.0	3,5,10um	100/120/300	320	17%
Technopak ODS-P	L1	2.0-8.0	3,5,10um	100/120	320	15%
Technopak ODS-2	L1	2.0-8.0	3,5,10um	100/120	320	19%
Technopak RP18	L1	2.0-7.5	3,5,10um	100/120	350	18%
Technopak C18(2)	L1	2.0-9.0	3,5,10um	100/120/300	380	18%
Technopak C8 HPH	L7	1.0-12.5	3,5,10um	100/150	320	11%
Technopak C8	L7	1.5-10	3,5,10um	100/120	320	12%
Technopak C8 HS	L7	2.0-8.0	3,5,10um	100/120	450	18%
Technopak BDS C8	L7	2.0-8.0	3,5,10um	100/120	320	12%
Technopak RP 8	L7	2.0-8.0	3,5,10um	100/120	320	12%
Technopak C8 (2)	L7	2.0-9.0	3,5,10um	100/120	380	9%
Technopak Si	L3	-	3,5,10um	100	320	-
Technopak C4	L26	2.0-8.0	3,5,10um	100/120/300	320	7%
Technopak Phenyl	L11	1.0-12.5	3,5,10um	100/120	320	12%
Technopak NH ₂	L8	2.0-8.0	3,5,10um	100/120	320	5%
Technopak CN	L10	2.0-8.0	3,5,10um	100/120	320	5%
Technopak C1	L16	2.0-7.5	3,5,10um	100/120	320	2%
Technopak C30	L62	2.0-7.5	3,5,10um	100/200/300	200/300	25%
Technopak PFP	L43	2.0-8.0	3,5,10um	100/120	320	7%
Technopak Diol	L20	2.0-7.5	3,5,10um	100/120	320	-

Phase	USP	PH stability	Particle Size	Pore Size	Surface Area	Carbon load
TargetSIL C18	L1	2.0-8.0	5um	120	320	17%
TargetSIL C8	L7	2.0-8.0	5um	120	320	12%

Phase	USP	PH stability	Particle Size	Pore Size	Surface Area	Carbon load
Technopak UPLC C18	L1	2-7.5	1.7um	120	320	17%
Technopak UPLC C18 P	L1	3-7.5	1.7um	120	320	12%
Technopak UPLC C8	L7	2-7.5	1.7um	120	320	12%
Technopak UPLC Phenyl	L11	2-7.5	1.7um	120	320	10%
Technopak UPLC CN	L10	2-8	1.7um	120	320	7%

Technopak UPLC Column



Phase	USP	Technopak Chiral OD / ODH	L40
Technopak Chiral AD / ADH	L51		5um 10um
		Technopak Chiral AGP	L41
		α1 -acid glycoprotein (AGP)	5um

Technopak Chiral Column



Technopak PREP COLUMNS

Wesley Technologies Inc, USA

	Particle Size	Pore Size Loading	Surface Area	Carbon	pH stability
Technopak PREP C18	5, 10, 50um	120 Å	320m ² /g	17%	1.5-10
Technopak PREP C8	5, 10, 50um	120 Å	320m ² /g	12%	1.5-10
Technopak PREP Silica	5, 10, 50um	120 Å	320m ² /g		
Technopak PREP Cyano	5, 10, 50um	120 Å	320m ² /g	5%	2.0-8



TECHNOPAK Equivalent Columns

Our Wesley Technologies Inc. recommended comparable columns will most likely give a similar selectivity. In some cases the recommended comparable columns may give slightly different selectivity, and may lead to improved and more reliable separation. With more cost effective.

Reversed-Phase Columns			
TECHNOPAK C18 Columns	Comparable Columns	TECHNOPAK C8 Columns	Comparable Columns
TECHNOPAK C18	Luna® C18 ACE SuperC18 YMC-Pack ODS-AM Symmetry® C18 Kromasil® C18 LiChrosorb® RP-18 NUCLEODUR® C18 NUCLEOSIL® C18 Inertsil® ODS-2 C18 Acclaim™ C18 Kromasil C18 Inertsil ODS 3 V Altima C18	TECHNOPAK C8	Luna® C8 Symmetry® C8 Acclaim™ C8 Kromasil® C8 LiChrosorb® RP-8 NUCLEODUR® C8 NUCLEOSIL® C8 Inertsil® C8-2 Sunfire® C8 Inertsil C8 Inertsil C8 -3 Altima C8
TECHNOPAK -C18(2)	Pursuit® XRs C18 ACE C18 YMC-Pack ODS-AM Xterra® C18 Hyperbond® C18 NUCLEOSIL® C18 InertSustain® C18 Sunfire® C18 Zorbax C18	TECHNOPAK -C8(2) TECHNOPAK -BDS C8	YMC-Pack Pro C8 ACE C8 NUCLEOSIL® C8 YMC-Pack C8 Xterra® C8 IB-SIL C8 Zorbax C8 Inertsil® C8-3
TECHNOPAK RP 18	Jupiter® C18 Vydac®C18 µBondapak® C18 Synchropac® C18 LiChrospher® RP18 Hypersil™ GOLD C18 Spherisorb® ODS1 Inertsil® ODS-4 C18 Inertsil® ODS-SP C18 Spherisorb® ODS2	TECHNOPAK RP 8	LiChrospher® RP8 YMC-Pack C8 Xterra® C8 NUCLEODUR® C8 NUCLEOSIL® C8 Spherisorb® C8 Hypersil™ C8 Inertsil® C8-4
TECHNOPAK SB C18	Zorbax SB C18	TECHNOPAK BDS C18	Hypersil BDS C18
TECHNOPAK ODS 3	Inertsil® ODS-3 C18		
TECHNOPAK AQ	Aqua C18 ACE AQ Ultra Aqueous-C18 YMC-Pack ODS-AQ AQUA C18 Zorbax SB-Aq Synchronis™ aQ C18	TECHNOPAK C18 HPH TECHNOPAK C18 HS	Hypurity C18 ProntoSIL 120 C18 Hypersil Bio Basic-18 YMC-Pro C18 ACE 5 C18 XBridge C18 Zorbax Eclipse Plus 18 Flowrosil ODS
TECHNOPAK AQ 2	SUPELCOSIL™ ABZ+Plus ZORBAX Bonus-RP Discovery RP-Amide	TECHNOPAK BDS C18	XTerra MS C18 Ultimate XB-C18 Zorbax Eclipse XDB-C18
TECHNOPAK C1, C2, C3, C4 Columns	Comparable Columns	TECHNOPAK Phenyl Columns	Comparable Columns
C1	Kromasil® C1 Ultra C1	TECHNOPAK Phenyl	Luna® Phenyl NUCLEOSIL® Phenyl Acclaim® Phenyl-1 Spherisorb® Phenyl BetaBasic Phenyl
C2	Maxsil™ C2 NUCLEOSIL® C2 Zorbax® SB C2	TECHNOPAK Phenyl 2	Cosmosil® πNAP (piNAP)
C3	Zorbax® SB C3		
C4	Hypersil™ GOLD C4 ACE C4 NUCLEOSIL® C4 Ultra C4	TECHNOPAK PPhenyl - Hexyl 2	InertSustain Phenylhexyl Poroshell 120 Phenyl-Hexyl Synchronis Phenyl Epic Phenyl Hexyl Shim-pack XR-Phenyl
TECHNOPAK Hexyl Columns	Comparable Columns	TECHNOPAK Phenyl-Hexyl Columns	Comparable Columns
C6	Spherisorb® C6 Spherex® C6	TECHNOPAK Phenyl-Hexyl	Accucore™ Phenyl-Hexyl BetaSil Phenyl/Hexyl

TECHNOPAK C30 Columns		Comparable Columns	
TECHNOPAK C30	Acclaim C30 Accucore™ C30 Carotenoid C30 Develosil® C30 YMC30		
Normal Phase Columns			
TECHNOPAK NH2 Columns	Comparable Columns	TECHNOPAK CN-Columns	Comparable Columns
TECHNOPAK NH2	Luna® NH2 Kromasil® NH2 NUCLEOSIL® NH2 Spherisorb® NH2 YMC-Pack-NH2	TECHNOPAK CN	Luna® CN Zorbax® SB CN ACE CN Ultra Cyano Spherisorb® CN NUCLEODUR® CN
TECHNOPAK Silica Columns	Comparable Columns	TECHNOPAK Diol Columns	Comparable Columns
TECHNOPAK Silica	Kromasil® Si Spherisorb® Si Luna® Silica NUCLEOSIL® Si	TECHNOPAK Diol1	Lichrosorb® Diol Spherex® Diol
		TECHNOPAK Diol2	YMC-Pack Diol NUCLEOSIL® Diol
Ion-Exchange Columns			
TECHNOPAK SAX Columns	Comparable Columns	TECHNOPAK SCX Columns	Comparable Columns
TECHNOPAK SAX	Hypersil™ SAX Vydac® SAX Spherisorb® SAX PureGel® SAX	TECHNOPAK SCX	Vydac® SCX PureGel® SCX Spherisorb® SCX Capcell Pak SCX
TECHNOPAK WAX Columns	Comparable Columns	TECHNOPAK WCX Columns	Comparable Columns
TECHNOPAK WAX	Vydac® WAX Acclaim™ WAX	TECHNOPAK WCX	PartiSphere® WCX Gammabond® WCX
TECHNOPAK DEAE Columns	Comparable Columns		
TECHNOPAK DEAE	BioSep® DEAE Shodex IEC® DEAE TSKgel® DEAE		
Specialty and Other Columns			
TECHNOPAK PAH Columns	Comparable Columns	TECHNOPAK C6F5 Columns	Comparable Columns
TECHNOPAK PAH	EnviroSep PAH LiChrospher® PAH Pinnacle II PAH SUPELCOSIL™ LC-PAH Vydac® PAH	TECHNOPAK PFP	Accucore™ PFP Curosil® PFP Luna® PFP Hypersil™ GOLD PFP SUPELCOSIL™ LC-F
TECHNOPAK Urea Columns	Comparable Columns	TECHNOPAK gel Columns	Comparable Columns
TECHNOPAK Urea	Accucore™ Urea HILIC	TECHNOPAK SEC/GPC	TSKgel® Protein KW Superdex
TECHNOPAK Chiral columns	Comparable Columns	TECHNOPAK CIB Columns	Comparable Columns
TECHNOPAK OD	Lux® Cellulose-1 Lux® Cellulose-2 Chirex® CHIRALCEL® OD, OD-H CHIRALPAK® IB	TECHNOPAK CIB Protein A	MABPac Protein A POROS® Protein A
TECHNOPAK AD,AD-H	Lux® Amylose-1 Lux® Amylose-2 CHIRALCEL® AD, AD-H CHIRALPAK® IA	TECHNOPAK CIB IgG TECHNOPAK ES-OVM	POROS® CaptureSelect® IgG Ultron ES-OVM
TECHNOPAK Chiral AGP	Comparable Columns		
TECHNOPAK AGP	CHIRALPAK® AGP		

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WESLEY TECHNOLOGIES INC TECHNOPAK HPLC COLUMN USP LISTING



The following chart has been provided as a guide to selecting HPLC columns which meet the specifications set forth in the United States Pharmacopeia (USP), which provides guidelines for the separation of related compounds.

It is important to note that, in many cases, USP column specifications are so broad that several (or many) column types actually meet the basic specifications. For example, L1 specification calls for a column consisting of silica packing material, 5 or 10µm in diameter, bonded with octadecyl (C18) silane. However, a limited number of available C18 columns will actually perform the desired separation.

Wesley Technologies Inc offers a variety of columns for each category. These columns are representative of the wide range of selectivities available for each bonded phase. The packing materials vary in particle size, pore size, surface area, carbon load, hydrophobicity, bonded phase coverage or density, and other characteristics. Refer to the catalog for description and characteristics of a specific column of interest.

United States Pharmacopeia (USP)

Column	Description	Wesley Technologies Inc Column(s)
L1	Octadecylsilane chemically bonded to porous or nonporous silica or ceramic microparticles, 1.5 to 10µm in diameter	Technopak C18 Technopak C18 HPH Technopak C18 Polar Technopak C18 HS Technopak BDS C18 Technopak ODS P Technopak-C18(2) Technopak RP 18 Technopak SBC18 Technopak ODS 3 Technopak C18 AQ Technopak UPLC C18 TargetSil C18 FlowroSil C18
L2	Octadecylsilane (C18) chemically bonded to silica gel of a controlled surface porosity, 30 to 50 µm in diameter	Technopak C18 Technopak Bulk Packings
L3	Porous silica particles, 1.5 to 10µm in diameter	Technopak Silica FlowroSil Silica TargetSIL Silica
L4	Silica gel of controlled surface porosity bonded to a solid spherical core, 30 to 50µm in diameter	Technopak Silica Technopak-Bulk Packings
L7	Octylsilane chemically bonded to totally or superficially porous silica particles, 1.5 to 10µm in diameter	Technopak C8 Technopak C8 HS Technopak -C8(2) Technopak-BDS C8 Technopak RP 8 FlowroSil C8 TargetSIL C8
L8	Aminopropylsilane chemically bonded to totally porous silica gel support, 1.5 to 10µm in diameter	Technopak NH2 FlowroSIL NH2 TargetSIL NH2
L9	Porous silica gel having a chemically bonded, strongly acidic cation-exchange coating, 3 to 10µm in diameter	Technopak SCX
L10	Nitrile groups chemically bonded to porous silica particles, 1.5 to 10µm in diameter	Technopak CN FlowroSIL CN TargetSIL CN
L11	Phenyl groups chemically bonded to porous silica particles, 1.5 to 10µm in diameter	Technopak PHENYL FlowroSIL PHENYL TargetSIL PHENYL

Column	Description	Wesley Technologies Inc Column(s)
L12	A strong amon-exchange packing made by chemically bonding a quaternary amine to a solid silica spherical core, 30 to 50um in diameter	TECHNOPAK SAX
L13	Trimethylsilane chemically bonded to porous silica particles, 3 to 10um in diameter	Technopak C1 Technopak Bulk Packings
L14	Silica gel having a chemically bonded, strongly basic quaternary ammonium anion-exchange coating, 5 to 10um in diameter	Technopak SAX
L15	Hexylsilane chemically bonded to totally porous silica particles, 3 to 10um in diameter	Technopak C6
L16	Dimethylsilane chemically bonded to porous silica particles, 5 to 10um in diameter	Technopak C2
L18	Amino and cyano groups chemically bonded to porous silica particles, 3 to 10um in diameter	Technopak PAC FlowroSIL PAC TargetSIL PAC
L20	Dihydroxypropane groups chemically bonded to porous silica or hybrid particles, 1.5 to 10µm in diameter	Technopak DIOL FlowroSIL DIOL TargetSIL DIOL
L26	Butylsilane chemically bonded to totally porous silica particles, 1.5 to 10µm in diameter	Technopak C4 FlowroSIL C4 TargetSIL C4
L27	Porous silica particles, 30 to 50um in diameter	Technopak Silica Bulk Packings
L30	Ethyl silane chemically bonded to 3-10µm porous silica	Technopak C2
L40	Cellulose tris-3,5-dimethylphenylcarbamate bonded on porous silica, 5-20um	Technopak CHIRAL OD / Technopak OD H
L41	Immobilised u1-acid glycoprotein on spherical silica particles, 5µm in diameter	Technopak AGP
L42	Octylsilane and octadecylsilane groups chemically bonded to porous silica particles, 5µm in diameter	Technopak C8/C18
L43	Pentafluorophenyl groups chemically bonded to silica particles 5 to 10um in diameter	Technopak PFP FLOWROSIL PFP TARGETSILPFP
L44	Spherical silica substrate that has been bonded with a cationic exchanger, sulphonic L44 acid functionality in addition to a conventional reversed phase C8 functionality	Technopak C8/SCX
L52	Strong Cation Exchange resin made of porous silica with sulfopropyl groups, 5 to 10µm in diameter	Technopak SCX Technopak Bulk Packings
L56	Propyl silane chemically bonded to totally porous silica particles, 3 to 10um in diameter	Technopak C3
L57	Chiral recognition protein, ovomucoid, chemically bonded to silica particles, about 5 µm in diameter, with pore size of 120Å	Technopak OVM
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	Technopak DIOL
L60	Spherical porous silica gel, 3 or 5 µm diameter, the surface of which has been covalently modified with alkyl amide groups	Technopak RP AMIDE Technopak Bulk Technopak Packings
L62	C30 silane bonded phase on a fully porous spherical silica, 5-10um in diameter	Technopak C30
L63	Glycopeptideicoplanin linked through multiple covalent bonds to spherical silica	Technopak TAG Technopak Bulk Packings
L70	Cellulose tris(phenylcarbamate) coated on 5-10 µm porous silica	Technopak OC-H
L80	Cellulose tris(4-methylbenzoate)-coated, porous, spherical, silica particles, 5 to 20 µm in diameter	Technopak OJ
L85	A silane ligand that consists of both reversed-phase (an alkyl chain longer than C8) and weak cation-exchange (carboxyl groups) functional groups chemically bonded to porous or non-porous particles, 1.0 to 50 µm in diameter	Technopak WCX
L93	Cellulose tris(3,5-dimethylphenylcarbamate) reversed phase chiral stationary phase coated on 3 or 5 µm silica gel particles	Technopak 40
L107	Cellulose tris(4-methylbenzoate)-coated porous spherical particles, 3 to 5 µm in diameter	Technopak HILIC Technopak Bulk Technopak Packings
Unclassified	Dodecyl silane bonded on 5-10um porous silica	Technopak porous silica
Unclassified	Proprietary strong cation exchange groups on 5-50um Porous silica	Technopak Bulk Packings

CHROMATOGRAPHY ACCESSORIES



HPLC Column Storage Cabinet



HPLC Column Storage Cabinet



HPLC Column Storage Cabinet



Electronic Crimper



Electronic Crimper



VIAL CRIMPERS



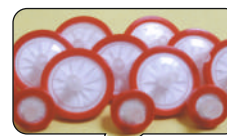
COLUMNS STORAGE CABINET



2ml HPLC VIALS CAP & SEPTA



20mm GC VIALS CAP & SEPTA



SYRINGE FILTERS



2ml PP VIALS



SGE & HAMILTON SYRINGES



CRIMPERS



PEEK NUTS



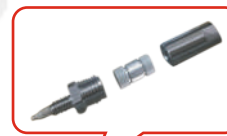
WORKING STANDARD VIALS



MEMBRANE FILTER PAPERS



UV CUVETTS



GUARD COLUMNS



GC NUTS



PEEK TUBING



D2 LAMPS



MOBILE PHASE BOTTLE CAPS



DISSOLUTION FILTERS



PADDLES



SAMPLING CANNULAE



INLET SOLVENT FILTER

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