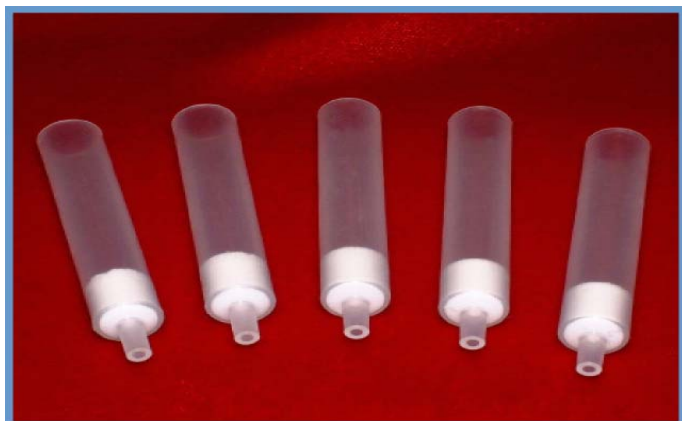


PHARMA-SIL[®] Functionalized Phases



All of our chemistries are available on Pharmasil[™] or high surface area silica. Our Pharmasil[™] phases are specifically designed with pharmaceutical applications in mind. The wide array of phases are packed into 4.5 mL flangeless columns which are compatible with the Mettler Toledo Bohdan[®] Miniblock[™].

PHARMA-SIL[®] Functionalized Phases in Flangeless 4.5mL Columns

Aldehyde (ALD)			
<u>Part Number</u>	<u>Milligrams per column</u>	<u>Units per bag</u>	% Organic Loading: N/A
CUALD1LR3	50	50	Application: Scavenger for primary amines, hydrazines, reducing agents and other nucleophiles. Covalent bonding for proteins, enzymes and other bioactive molecules.
CUALD11R3	100	50	
CUALD13R3	300	50	
CUALD15R3	500	50	
CUALD1MR3	1000	50	
Aminopropyl (NAX)			
<u>Part Number</u>	<u>Milligrams per column</u>	<u>Units per bag</u>	% Organic Loading: 6.65
CUNAX1LR3	50	50	Application: Scavenger for acids, cyclic compounds, cholesterol, and other lipid-type compounds.
CUNAX11R3	100	50	
CUNAX13R3	300	50	
CUNAX15R3	500	50	
CUNAX1MR3	1000	50	
Benzenesulfonic Acid (BCX or SCX)			
<u>Part Number</u>	<u>Milligrams per column</u>	<u>Units per bag</u>	% Organic Loading: 11.00
CUBCX1LR3	50	50	Application: Scavenger for amines, alcohols and other nucleophiles.
CUBCX11R3	100	50	
CUBCX13R3	300	50	
CUBCX15R3	500	50	
CUBCX1MR3	1000	50	
Benzenesulfonic Acid High-Load (BCXHL)			
<u>Part Number</u>	<u>Milligrams per column</u>	<u>Units per bag</u>	% Organic Loading: 15.00
CUBCX1HLLR3	50	50	Application: Scavenger for amines, alcohols and other nucleophiles.
CUBCX1HL1R3	100	50	
CUBCX1HL3R3	300	50	
CUBCX1HL5R3	500	50	
CUBCX1HLMR3	1000	50	

PHARMA-SIL[®] Functionalized Phases in Flangeless 4.5mL Columns

Benzenesulfonic Acid, High-Load and Quaternary Amine			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 7.60
CUMBQSP905	250/250	50	Application: Removes large or more hydrophobic compounds.
Hydrophobic Plus Quaternary Amine			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 13.60
CUQAX2LR3	50	50	Application: Dual functionality for weak acids and hydrophobic compounds.
CUQAX21R3	100	50	
CUQAX23R3	300	50	
CUQAX25R3	500	50	
CUQAX2MR3	1000	50	
Isocyanate (ICN)			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 7.1
CUICN1LR3	50	50	Application: Scavenger for amines, alkoxides and other nucleophiles.
CUICN11R3	100	50	
CUICN13R3	300	50	
CUICN15R3	500	50	
CUICN1MR3	1000	50	
C8, Octyl			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 11.1
CUC081LR3	50	50	Application: Removes large or more hydrophobic compounds.
CUC0811R3	100	50	
CUC0813R3	300	50	
CUC0815R3	500	50	
CUC081MR3	1000	50	
C18, Octadecyl			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 21.70
CUC181LR3	50	50	Application: Removes hydrophobic impurities, de-salting and purification of hydrophobic compounds.
CUC1811R3	100	50	
CUC1813R3	300	50	
CUC1815R3	500	50	
CUC181MR3	1000	50	
Polyimine (PAX)			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 13.5
CUPAX1LR3	50	50	Application: Scavenger for acids and sulfonyl chlorides, isocyanates and other electrophiles.
CUPAX11R3	100	50	
CUPAX13R3	300	50	
CUPAX15R3	500	50	
CUPAX1MR3	1000	50	

PHARMA-SIL[®] Functionalized Phases in Flangeless 4.5mL Columns

Quaternary Amine with Acetate Counter Ion			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 8.40
CAQAX1LR3	50	50	Application: Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is stronger than the acetate counter ion.
CAQAX11R3	100	50	
CAQAX13R3	300	50	
CAQAX15R3	500	50	
CAQAX1MR3	1000	50	
Quaternary Amine with Chloride Counter Ion			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 8.40
CUQAX1LR3	50	50	Application: Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is stronger than the chloride counter ion.
CUQAX11R3	100	50	
CUQAX13R3	300	50	
CUQAX15R3	500	50	
CUQAX1MR3	1000	50	
Quaternary Amine with Formate Counter Ion			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 8.40
CFQAX1LR3	50	50	Application: Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is stronger than the formate counter ion.
CFQAX11R3	100	50	
CFQAX13R3	300	50	
CFQAX15R3	500	50	
CFQAX1MR3	1000	50	
Quaternary Amine with Hydroxide Counter Ion			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 8.40
CHQAX1LR3	50	50	Application: Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is stronger than the hydroxide counter ion.
CHQAX11R3	100	50	
CHQAX13R3	300	50	
CHQAX15R3	500	50	
CHQAX1MR3	1000	50	
Thiopropyl (THX)			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 6.50
CUTHX1LR3	50	50	Application: Scavenger for alkylating agents, alcohols and amines.
CUTHX11R3	100	50	
CUTHX13R3	300	50	
CUTHX15R3	500	50	
CUTHX1MR3	1000	50	
Triacetic Acid (TAX)			
<u>Part Number</u>	Milligrams per column	<u>Units per bag</u>	% Organic Loading: 7.61
CUTAX1LR3	50	50	Application: Chelator for metal ions. i.e. tin, palladium, copper, ruthinium, chromium and nickel.
CUTAX11R3	100	50	
CUTAX13R3	300	50	
CUTAX15R3	500	50	
CUTAX1MR3	1000	50	

PHARMA-SIL[®] Unbonded Silica

<u>Part Number</u>	<u>Milligrams per column</u>	<u>Units per bag</u>	40-63 µm Particle Size 60Å Pore Size 525m²/g Surface Area Application: Removes hydrophilic (polar) impurities, purification of hydrophilic (polar) compounds.
PHSIL1LR3	50	50	
PHSIL11R3	100	50	
PHSIL13R3	300	50	
PHSIL15R3	500	50	
PHSIL1MR3	1000	50	

High Surface Activity Silica

<u>Part Number</u>	<u>Milligrams per column</u>	<u>Units per bag</u>	40-63 µm Particle Size 60 Å Pore Size 547m²/g Surface Area Application: Removes hydrophilic (polar) impurities, purification of hydrophilic (polar) compounds.
HSSIL1LR3	50	50	
HSSIL11R3	100	50	
HSSIL13R3	300	50	
HSSIL15R3	500	50	
HSSIL1MR3	1000	50	

Flangeless Reservoirs

<u>Part Number</u>	<u>Description</u>	<u>Units per bag</u>
RFV00R3P	Empty Flangeless Tube 4 mL capacity	50
RFT1FR3P	Flangeless Tube (Filter Tube) with 20µm Porous Polyethylene Frit, 1/8" • 4 mL capacity	50
RFV1FR3P	Flangeless Tube (Filter Tube) with 20µm Porous Polyethylene Frit, 1/16" • 4 mL capacity	50