

# Alltech® Maxi-Clean™ Cartridges



## Reversed-Phase Cartridges

- Same bed dimensions as 4mL SPE columns for method cross-over
- Process a single cartridge by syringe or multiple cartridges by vacuum
- Stack different cartridges for multi-step extractions
- Use top and bottom caps for easy transport of field samples



Reversed-Phases (Non-Polar) Sorbent Specifications							
Packing	Base	% Carbon	End-capped	Average Particle Size	Pore Size	Features	Benefits
Prevail™ C18	Silica	11.0%	Yes	50µm	60Å	100% water wettable	Hydrophilic/hydrophobic retention. Phase remains active even when completely dry. Can omit preconditioning step.
Standard C18	Silica	6.0%	Yes	50µm	60Å	Low carbon load C18	General purpose phase.
High-Flow C18	Silica	8.0%	Yes	100µm	60Å	Large particle	Less flow resistance for faster flow rates of large volume sample.
High-Capacity C18	Silica	17.0%	Yes	50µm	60Å	High carbon load	Maximum capacity phase.
Large Pore C18	Silica	14.0%	Yes	50µm	150Å	Larger than average pore size	Ideal for compounds >1500MW.
Octyl (C8)	Silica	4.5%	Yes	50µm	60Å	Less hydrophobic than C18	Less retention of highly hydrophobic compounds. Use when C18 is too retentive.
Ethyl (C2)	Silica	5.5%	Yes	50µm	60Å	Short chain functional group is less hydrophobic than C8	Less retention of highly hydrophobic compounds. Use when C8 is too retentive.
Phenyl (PH)	Silica	3.8%	Yes	50µm	60Å	Aromatic structure	Highly selective for aromatic compounds.

### Maxi-Clean™ Reversed-Phase Cartridges

Packing	Bed Weight	Qty.	Part No.
Prevail™ C18	300mg	50	<b>605926</b>
	500mg	50	<b>605929</b>
	900mg	50	<b>605942</b>
Standard C18	300mg	25	<b>20924</b>
	300mg	50	<b>20926</b>
	300mg	100	<b>20928</b>
	600mg	25	<b>20932</b>
	600mg	50	<b>20934</b>
	600mg	100	<b>20936</b>
	900mg	25	<b>20940</b>
	900mg	50	<b>20942</b>
	900mg	100	<b>20944</b>
High-Capacity C18	300mg	50	<b>20945</b>
Large Pore C18	300mg	100	<b>22012</b>
	600mg	100	<b>22017</b>
	900mg	100	<b>220215</b>
Octyl (C8)	300mg	50	<b>20950</b>
	600mg	50	<b>20958</b>
	900mg	50	<b>20966</b>
Ethyl (C2)	300mg	50	<b>210064</b>
Phenyl (PH)	300mg	25	<b>22002</b>
	300mg	50	<b>22003</b>
	300mg	100	<b>22004</b>

### Maxi-Clean™ Drying Cartridges

Packing	Bed Weight	Qty.	Part No.
Sodium Sulfate	3g	100	<b>219001</b>

### tech tip

#### What is a Maxi-Clean™ cartridge?

A Maxi-Clean™ cartridge is an alternative format for SPE. It uses the same high-quality packing materials as the Extract-Clean™ columns but has a polypropylene housing with both a female luer inlet and a male luer outlet tip. This allows use of positive pressure from a syringe or negative pressure from a vacuum manifold. 20µm polyethylene frits are placed at each end of the sorbent bed. The packing material is packed and compressed to improve or optimize flow characteristics.



### related products

**Looking for vacuum manifolds?** See pages 314–315 for vacuum manifolds to process samples.

### more info

For SPE Applications, see pages 494–502.