

## Reveleris<sup>®</sup> C18-WP Flash Cartridges

Conventional 60 Å silica flash cartridges, while effective for small molecule applications, have their limitations for larger molecules. A larger pore size silica is needed to retain and resolve these molecules. For these applications, Grace Discovery Sciences has introduced the Reveleris<sup>®</sup> C18-WP Flash Cartridges. This wide pore reversed phase media is specially developed for large molecule purification with a larger pore size and smaller particle size for increased resolution of complex mixtures.



### Benefits of the Reveleris<sup>®</sup> C18-WP Flash Cartridges:

- Developed specifically for large molecules
- Ideal for compounds such as peptides, proteins, lipids, biopharmaceuticals and carbohydrate based molecules
- Suitable for molecular weights up to 70,000 Daltons

Flash chromatography is more productive than preparative HPLC for purifying these types of molecules. The high loading capacity and faster throughput with flash can help provide significant productivity benefits.



### Better Together - Further Streamline Your Purifications by Combining Reveleris<sup>®</sup> Cartridges with the Most Advanced Flash System

<b>Reveleris<sup>®</sup> Cartridge</b> 	+	<b>Reveleris<sup>®</sup> X2 System</b> 	=	<b>Enhanced Purification Benefits</b> <b>Plug &amp; Play</b> Automatic cartridge identification populates the system for size and phase of cartridge in use <b>Confidence in Results</b> Serial tracking of cartridges allows for tracking of cartridge use <b>Simplifying Purification</b> Specifically for compounds like carbohydrates and lipids, the patented RevealX™ detection technology allows maximum purity with minimal effort in a single system <b>Faster Runs</b> Optimize purification with the Navigator software
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#### Reveleris<sup>®</sup> C18-WP Flash Cartridges

Description	Qty	Part No.
Reveleris <sup>®</sup> C18-WP 4g Cartridge	1	5169482
Reveleris <sup>®</sup> C18-WP 12g Cartridge	1	5169483
Reveleris <sup>®</sup> C18-WP 40g Cartridge	1	5169484

Cartridges have a pressure rating of 200 psig

#### Reveleris<sup>®</sup> X2 Flash Chromatography System

Description	Part No.
Reveleris <sup>®</sup> X2 Flash Chromatography System	5164931
UV/Visible Wavelength, Optional Upgrade	5167301
Reveleris <sup>®</sup> X2 Navigator Software, Optional Upgrade	5156620

Reveleris® C18-WP flash cartridges help chemists to overcome separation challenges in large molecule purification with benefits that include:

- Improved retention and resolution of varied polarity compounds
- Increased durability to withstand higher pressures (up to 200psi)
- Higher capacity for higher sample loads
- Tight particle size distribution and minimal fines for low back pressure
- Auto-recognition tagging simplifies instrument operations by pre filling method parameters
- Compatible with organic or aqueous mobile phases

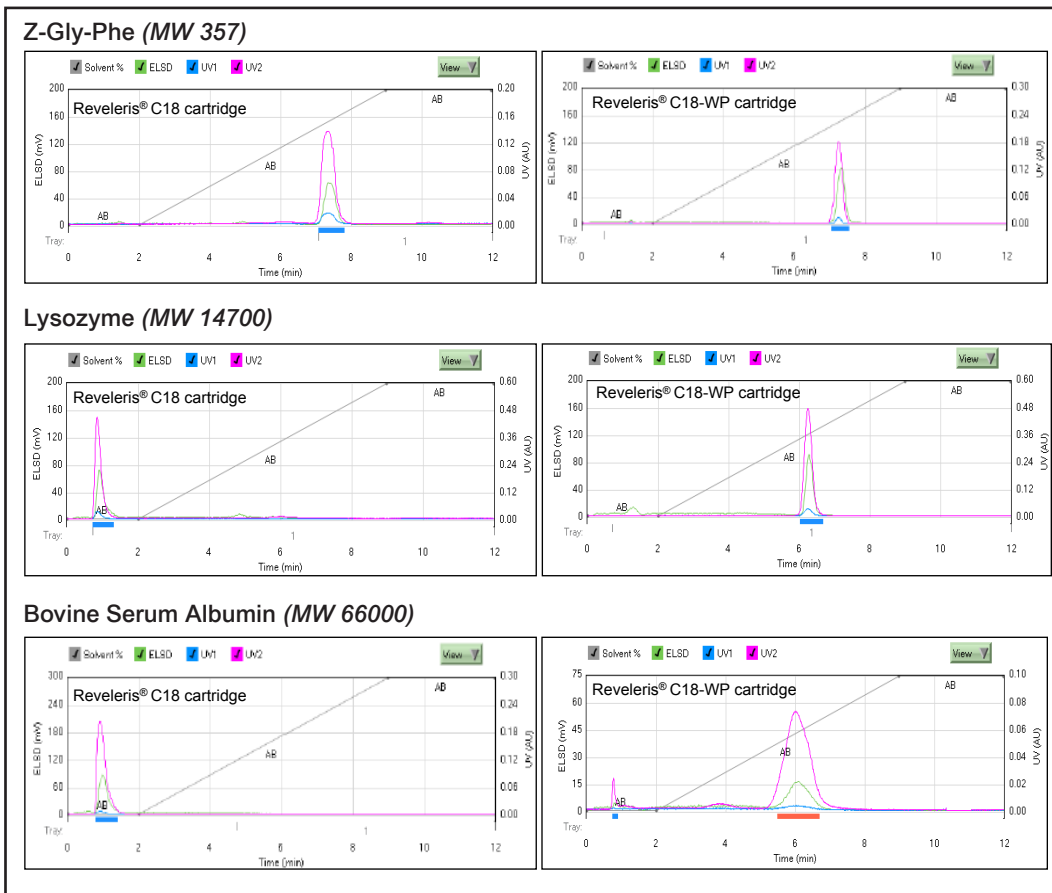


## Comparison of Peptide Retention on 60Å Reveleris® C18 flash cartridge and Reveleris® C18-WP cartridge

Examples of small medium and large peptide/proteins are shown in this example. The smallest molecular weight sample is retained on both cartridges, whereas the medium and large samples are not retained on the 60Å C18 cartridge.

Conditions	
<b>Cartridge:</b>	Reveleris® C18-WP and Reveleris® C18 flash cartridges, 12g
<b>Flow Rate:</b>	20 mL/min
<b>Equilibration:</b>	3.0 min
<b>Run Length:</b>	12.0 min
<b>UV1 Wavelength:</b>	254 nm
<b>UV2 Wavelength:</b>	220 nm
<b>Solvent A:</b>	Water with 0.1% TFA
<b>Solvent B:</b>	Acetonitrile

Gradient Table			
	Min	Solvents	%2nd
1	0.0	AB	0
2	2.0	AB	0
3	7.0	AB	100
4	3.0	AB	100
5	0.0	AB	100



The Reveleris® C18-WP flash cartridges can be used to purify a wide range of molecular weight components, approaching 70,000 Daltons. The smaller particle size media increases resolution and makes the purification of complex large molecule mixtures more efficient.

Contact your local Grace representative for more information or visit us on the web at [www.discoverysciences.com](http://www.discoverysciences.com)

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