

Reveleris[®] 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[®] 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[®] 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[®] Cartridges with the Most Advanced Flash System

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

Reveleris[®] C18-WP Flash Cartridges

Description	Qty	Part No.
Reveleris [®] C18-WP 4g Cartridge	1	5169482
Reveleris [®] C18-WP 12g Cartridge	1	5169483
Reveleris [®] C18-WP 40g Cartridge	1	5169484

Cartridges have a pressure rating of 200 psig

Reveleris[®] X2 Flash Chromatography System

Description	Part No.
Reveleris [®] X2 Flash Chromatography System	5164931
UV/Visible Wavelength, Optional Upgrade	5167301
Reveleris [®] 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



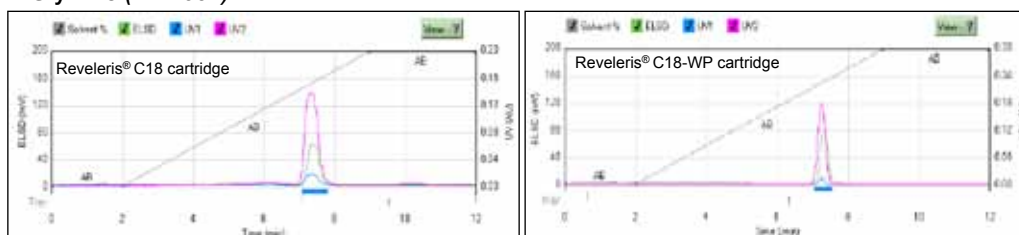
Comparison of Peptide Retention on 60Å Reveleris® C18 flash cartridge and Reveleris® C18-WP cartridge

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.

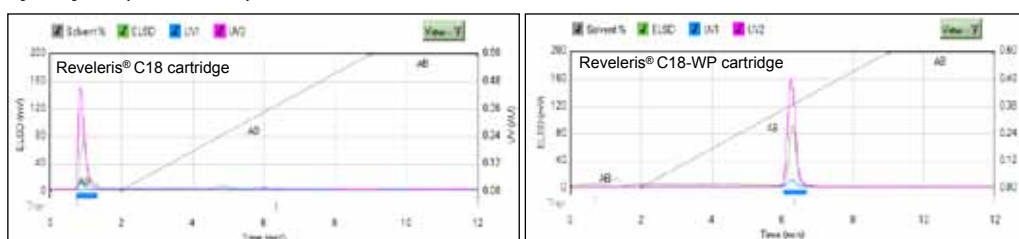
Conditions	
Cartridge:	Reveleris® C18-WP and Reveleris® C18 flash cartridges, 12g
Flow Rate:	20 mL/min
Equilibration:	3.0 min
Run Length:	12.0 min
UV1 Wavelength:	254 nm
UV2 Wavelength:	220 nm
Solvent A:	Water with 0.1% TFA
Solvent B:	Acetonitrile

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

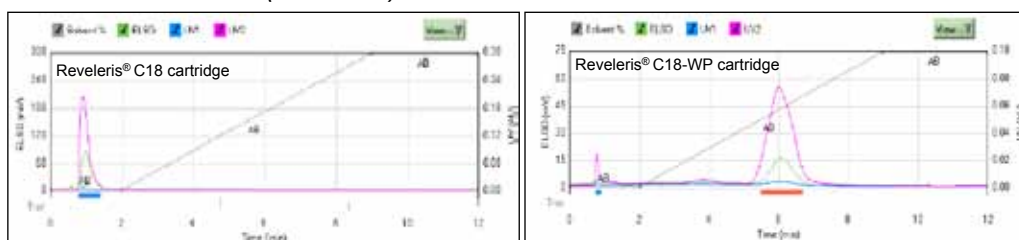
Z-Gly-Phe (MW 357)



Lysozyme (MW 14700)



Bovine Serum Albumin (MW 66000)



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

GRACE

REVELERIS® is a trademark, registered in the United States and/or other countries, of Alltech Associates, Inc. REVEALX™ is a trademark of Alltech Associates, Inc. GRACE® is a trademark, registered in the United States and/or other countries, of W. R. Grace & Co.-Conn. This trademark list has been compiled using available published information as of the publication date of this brochure and may not accurately reflect current trademark ownership or status. Alltech Associates, Inc. is a wholly owned subsidiary of W. R. Grace & Co.-Conn. Grace Discovery Sciences is a product group of W. R. Grace & Co.-Conn., which now includes all product lines formerly sold under the Alltech brand. Grace Materials Technologies is a business segment of W. R. Grace & Co.-Conn. which includes products formerly sold under the Grace Davison brand. © Copyright 2013 Alltech Associates, Inc. All rights reserved. The information presented herein is derived from our testing and experience. It is offered for your consideration and verification. Since operating conditions vary significantly, and are not under our control, we disclaim all warranties on the results that may be obtained from the use of our products. W. R. Grace & Co.-Conn. and its subsidiaries can not be held responsible for any damage or injury occurring as a result of improper installation or use of its products. Grace reserves the right to change prices and/or specifications without prior notification.

05/2013 M446

W. R. Grace & Co.-Conn.
7500 Grace Drive, Columbia, MD 21044

Grace Discovery Sciences Regional Headquarters:

IN THE AMERICAS:
2051 Waukegan Road
Deerfield, IL 60015-1899
Tel: 1 847 948 8600
Fax: 1 847 948 1078
Email: discoverysciences@grace.com

IN EUROPE:
Brandstraat 12
B-9160 Lokeren, Belgium
Tel: +32 (0)9-340-65 65
Fax: +32 (0)9 340 65 60
Email: discoverysciences.EU@grace.com

IN ASIA:
19th Floor, K.Wah Center
1010 Huai Hai Zhong Road
Shanghai, 200031 PRC
Tel: 86 21 5467 4678
Fax: 86 21 5405 1500
Email: dsbz.asia@grace.com

IN INDIA:
17 Commerce Center
Opposite Krishna Hospital, Paud Road
Pune, 411038 India
Tel: +91 20 6644 9900
Fax: +91 20 2544 1740
Email: pune@grace.com

IN AUSTRALIA/NEW ZEALAND:
2 Kerr Court
Rowville, 3178
Victoria, Australia
Tel: +61 3 9237 6100
Fax: +61 3 9237 6101
Email: discoverysciences.AU@grace.com