

Reveleris® Flash Cartridges



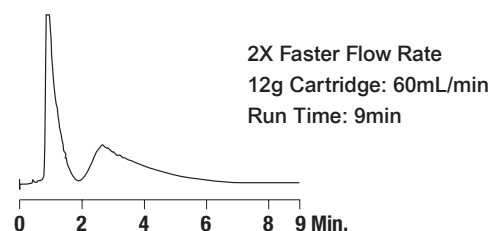
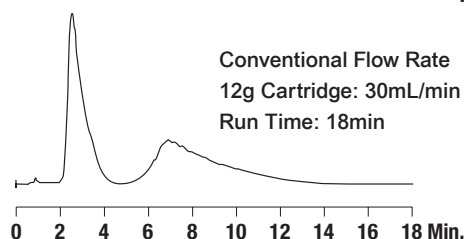
Get the most out of your flash applications by choosing Reveleris® flash cartridges, the only flash cartridges designed by a silica expert for ideal chromatographic performance.

- **NEW** 24g and 220g Silica Cartridges Now Available!
- Increased loading capacity
- Pressure rating up to 200psi*
- Superior resolution with ultra-pure 40µm silica
- Four unique chemistries available



Luer design is compatible with most instruments, and adaptors are available for non-luer connections.

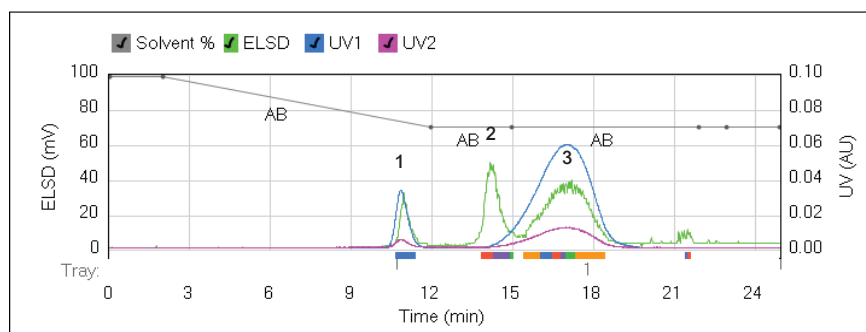
Flow Rate Comparison in the Purification of α from δ -tocopherol



Flash Cartridge: Reveleris® 12 gram silica cartridge
Wavelength: 295nm
Isocratic: Solvent A: Hexane 97%
Solvent B: THF 3%
Sample: 500mg/mL
Sample Inject Volume: 2mL

Higher resolution of Reveleris® cartridges enables the flow rate to be increased 2X while maintaining base-line separation. For this application, that results in over a 40% time savings per run.

Flavanone Glycoside Purification



Column: Reveleris® Amino 40g flash cartridges
Flow Rate: 40mL/min
Equilibration: 10.0min
Run Length: 25.0min

UV1 Wavelength: 220nm
UV2 Wavelength: 254nm
ELSD Carrier: Iso-propanol
Solvent A: Water
Solvent B: Acetonitrile

1. Hesperitin 20mg
2. Glucose 20mg
3. Neohesperidin 20mg

Gradient Table

Step	Min	Solvents	% 2nd
1	0.0	AB	99
2	2.0	AB	99
3	10.0	AB	70
4	13.0	AB	70

Combining the high capacity of the amino phase cartridge and RevealX™ detection technology, neohesperidin is isolated and purified from glucose.

Visit www.discoverysciences.com/FlashChromatography/ApplicationNotes.aspx to browse the latest applications utilizing Reveleris® flash cartridges



Unique Chemistries for Challenging Applications

While silica is the most popular choice for flash applications, other chemistries bring unique properties that can help resolve complex samples.

Chemistry	Ideal For
Silica	Conventional applications, polar compounds
Reversed Phase (C18)	Non-polar compounds
Amino	Better peak shapes with polar and basic compounds; ideal for carbohydrates
Diol	Alternate selectivity for a variety of polarity types; ideal for lipids

Reveleris® Flash Cartridges

Description	Qty	Part No.
Silica		
4g Silica Cartridge	20	5146130
12g Silica Cartridge	20	5146131
24g Silica Cartridge	15	5167530
40g Silica Cartridge	15	5146132
80g Silica Cartridge	12	5146133
120g Silica Cartridge	10	5146134
220g Silica Cartridge*	6	5165750
330g Silica Cartridge*	4	5146135
Reversed Phase (C18)		
4g C18 Cartridge	each	5152990
12g C18 Cartridge	each	5152103
40g C18 Cartridge	each	5152104
80g C18 Cartridge	each	5152105
120g C18 Cartridge	each	5152991
330g C18 Cartridge*	each	5164430
Amino		
4g Amino Cartridge	each	5157330
12g Amino Cartridge	each	5157331
40g Amino Cartridge	each	5157332
80g Amino Cartridge	each	5157333
120g Amino Cartridge	each	5157334
Diol		
4g Diol Cartridge	each	5157335
12g Diol Cartridge	each	5157336
40g Diol Cartridge	each	5157337
80g Diol Cartridge	each	5157338
120g Diol Cartridge	each	5157339

*220g and 330g cartridges have a pressure rating of 100 psi

Application Kits for Simplified Method Development

Reveleris® Application Kits combine a variety of cartridges tailored to different application areas. Rapidly select the best chemistry for many applications and compound classes.

Application Kits

Description	Part No.
Radiochem Flash Kit	5157384
Carbohydrate Flash Kit	5157385
Impurity Isolation Flash Kit	5157386
Lipid Flash Kit	5157387
Natural Products Flash Kit	5157388

Screening Columns for Efficient Planning

Reveleris® C18 HPLC columns are ideal for prescreening by HPLC prior to flash purification.

Reveleris® C18 HPLC Columns*

Description	Qty	Part No.
LC Column C18, 4.6 x 50mm	3	5156381
LC Column C18, 4.6 x 150mm	3	5156382
LC Column C18, 4.6 x 250mm	3	5156383

*For use with Reveleris® Navigator™ Feature

Accessories

Description	Qty	Part No.
Cartridge Adaptor		
Flash Cartridge Adaptors Kit		5156387
Use with 4-330g cartridges		
Reveleris® TLC Plates		
Silica 20x20cm	25	8621250
C18 10x20	25	8625320
Adjustable Solid Loader Plunger		
3g (15mL)	each	5148510
15g (75mL)	each	5148511
40g (150mL)	each	5148512
Empty Solid Loaders		
15mL	100	5142050
75mL	100	5142051
150mL	50	5147808
Filled Solid Loaders		
3g (15mL)	20	5152371
15g (75mL)	16	5142034
40g (150mL)	12	5147772



For maximum performance, use Reveleris® flash cartridges with the Reveleris® flash instrument. Take advantage of higher pressures, user-friendly software, advanced detection capabilities, and RFID tagging. The Navigator™ software feature automatically converts HPLC and TLC prescreening data into optimized flash conditions. Contact us or visit our website to learn more.

www.discoverysciences.com

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