

# The Power of Grace™ — Reveleris® Flash System



In this issue, find out how GRACE can help you with your purification challenges

- Reveleris® Flash System Benefits
- Six Sigma® Methodologies or the like and Reveleris® Flash System
- Industry Validation
- Powering your Productivity – RevealX™ Technologies
- Reveleris® SRC Cartridges
- Come meet with us



## Reveleris® Flash System Benefits

- **See More**
  - More components and their relative proportions
- **Recover More**
  - Fractions from multiple detector signals
  - Reduced risk of losing sample
- **Complete More**
  - Easy to Use
  - Intuitive



## Six Sigma® Methodologies and the Reveleris® Flash System — Achieving Productivity

Grace embraced Six Sigma® methodologies in 1996. We apply it to our internal processes and it is used as the foundation for continual process and product improvements. The lean principles identify non-value added steps in processes. Here are some questions to consider about non-value added steps in your purification process:



1. Is your reaction Solvent UV-Active?
2. Do you check for non-chromophoric compounds or impurities?
3. Would you like to be able to optimize for speed?
4. Would you benefit from collecting and analyzing fewer fractions?
5. Have you ever been surprised by inconsistent assay results?



## Ongoing Innovation – Discover Even More with Reveleris® iES

In the spirit of continuous improvement and our commitment to innovation, GRACE announces the latest in the suite of Reveleris® products. With this system, users will be able to:

- Discover more by isolating and collecting compounds in low abundance, complex mixtures typically encountered with natural products and lead generating environments.
- Purify faster using a wide range of chemistries with ease.
- Purify smarter with enhanced features of the RevealX™ 2.0 operating system with the ability to optimize for speed or purity.

**NEW — Reveleris® Amino and Diol Phase Flash Cartridges**

## Want to see how much you can save?

**Request an on-site seminar or consultation  
by visiting us at:**

ACS, Booth #614, August 22–25, Boston, MA

EAS, Booth #417, November 15–17, Somerset, NJ

### Application Notes and Posters:

PittCon PP212 – Mass Balance

Pittcon PP590-5P – Minimizing Bottlenecks

Pittcon PP590-4P – Ensuring Higher Purity

ACS 120 – Lean Strategy to Reduce Waste and Rework

ACS 459 – Purity in Target Submissions

Gingko Biloba Application Note

Green Tea Application Note

Red Panax Ginseng Application Note

Giant Knotweed Application Note

Sandalwood Application Note

Sample Loss Tech Note

Limits of Collection Tech Note

Novel Flash System Improves Sample Purity and  
Productivity Tech Note

### Articles:

Plight of Purity — Drug Discovery and  
Development Magazine

Advances in Flash Purification — PharmaChem EU  
Magazine

Turning pipelines into profits: How drug discovery  
bottlenecks can be addressed — Next Generation  
Pharmaceutical Magazine

# Reveleris® Flash System

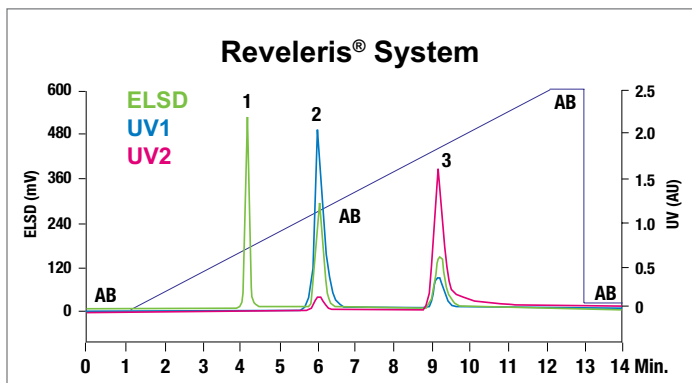
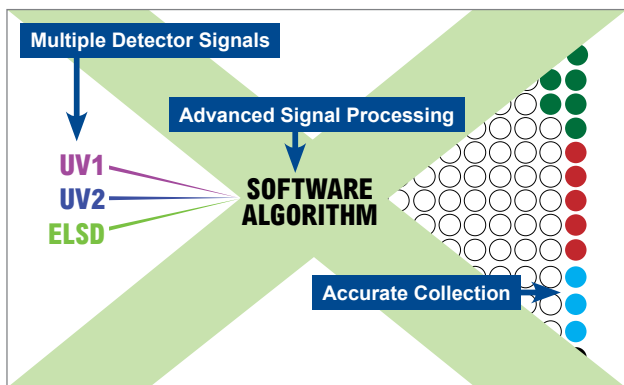


## RevealX™ Technologies\* and How it Works

(\*Patents Pending)

Integrated ELSD with compact footprint and streamlined fluidics overcomes UV-only limitations in flash purification.

- Confidence to detect more components
- Minimizes fractions and workup
- Enables use of UV-active solvents
- Provides measure of mass balance
- Confidence and reliability in downstream testing concentrations



Real time integration of 3 detector signals. Note additional detection of Cholesterol Acetate (Peak 1) and relative representation of mass balance shown.

## Awards and Recognition



[www.discoverysciences.com](http://www.discoverysciences.com)

SIX SIGMA® is a trademark, registered in the United States and/or other countries, of Motorola, Inc. This brochure is an independent publication and is not affiliated with, nor has it been authorized, sponsored, or otherwise approved by Motorola, Inc. ALLTECH® and REVELERIS® are trademarks, registered in the United States and/or other countries, of Alltech Associates, Inc. REVEALX™ and SRC™ are trademarks of Alltech Associates, Inc. GRACE®, and GRACE DAVISON® are trademarks, registered in the United States and/or other countries, of W. R. Grace & Co.-Conn. GRACE DAVISON DISCOVERY SCIENCES™ and THE POWER OF GRACE™ are trademarks 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. Alltech Associates, Inc. is a wholly owned subsidiary of W. R. Grace & Co.-Conn. Grace Davison Discovery Sciences is a product group of W. R. Grace & Co.-Conn., which now includes all product lines formerly sold under the Alltech brand. © Copyright 2010 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.

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

Grace Davison 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](mailto: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](mailto: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: [dsbiz.asia@grace.com](mailto:dsbiz.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](mailto:pune@grace.com)

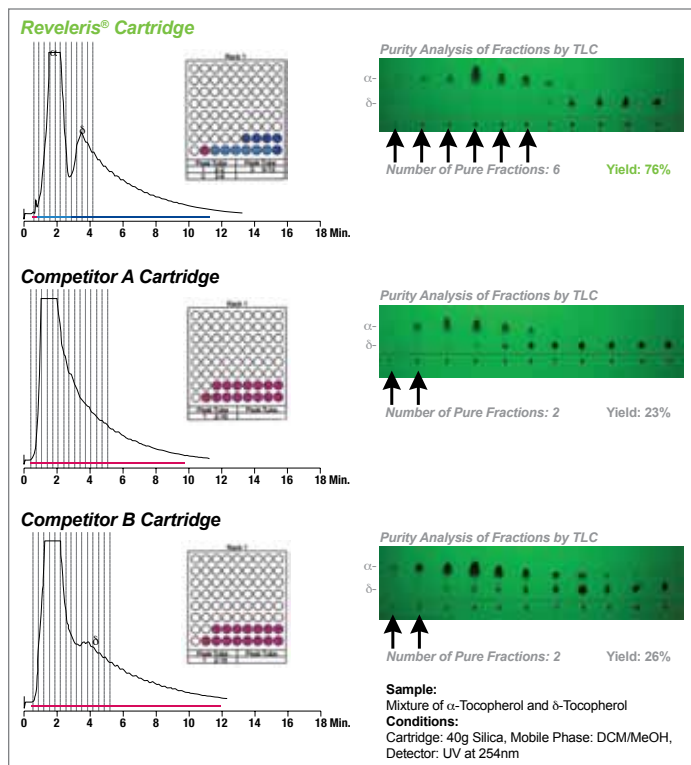
**IN AUSTRALIA/NEW ZEALAND:**  
2 Kerr Court  
Rowville, 3178  
Victoria, Australia  
Tel: +61 3 9237 6100  
Fax: +61 3 9237 6101  
Email: [discoverysciences.AU@grace.com](mailto:discoverysciences.AU@grace.com)

## Better Cartridges Using Grace Silica Expertise

Features	Benefits
<b>Higher Loading</b>	<b>Reduce run times and cost</b> <ul style="list-style-type: none"> <li>• Use smaller cartridges</li> <li>• High pressure capable design allows higher flows</li> </ul>
<b>Higher Resolution</b>	<b>Save time in Work-up</b> <ul style="list-style-type: none"> <li>• Smaller fraction volumes mean cleaner cuts, fewer fractions.</li> <li>• Less fraction handling and reconstitution</li> </ul>
<b>Auto Recognized Tagging</b>	<b>Easy to Use</b>



## The Reveleris® SRC™ Cartridges' Superior Resolution Results in 3x Higher Recovery



**GRACE**