

# Reveleris<sup>®</sup> FLASH Chromatography Experience

Discover More

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**GRACE**  
Davison



# The Reveleris® Experience

The unique combination of three key components that simplify your purification: **RevealX™** technology, **Reveleris®** cartridges and the **Reveleris® Navigator™** software.

**If seeing is believing...** then Reveleris® is the flash system for you. Its unique and powerful technology lets you see components that up until now may have been invisible, resulting in maximum purity and recovery in minimum time...

**Discover More** with the Reveleris® Flash Chromatography System.

## Recover More

Patent-pending **RevealX™** detection technology accelerates purification by simultaneous collection, triggered by UV and Evaporative Light Scattering Detection (ELSD).

- Multiple purification steps are condensed into one.
- **RevealX™** technology captures more discrete compounds from complex mixtures.

## Purify More

Our **cartridges** provide up to 3 times higher recovery than competitive cartridges.

- The higher loading of **Reveleris®** cartridges delivers optimal separation in the shortest time.
- **Reveleris®** cartridges yield higher purity compounds using patent-pending silica designed for superior resolution.

## Discover More

**Reveleris®** is enhanced with **Navigator™** software to drive the overall purification process.

- The method optimization reduces your run time by 30% with the combination of **RevealX™** technology and **Reveleris®** cartridges.
- **Reveleris®** users spend less time with Flash, meaning more time for discovery.



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## Recover More

### Don't Risk Losing Valuable Compounds

Every fraction collected is invaluable and could be key to the next big discovery. Without the power of RevealX™ technology, the risks can be significant:

- Non-chromophoric or non-ionized impurities and targets of interest can be missed altogether
- UV eluting components can trigger excessive fraction collection, leading to significant rework
- Impurities can mask efficacy of the target

RevealX™ detection technology eliminates risks, and provides benefits to the user:

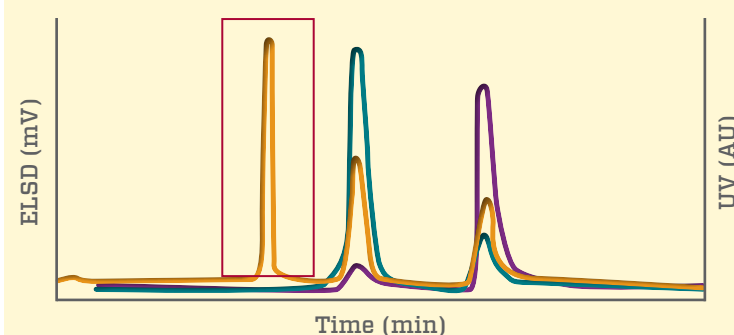
- UV and ELS detected compounds in larger volumes with greater purity
- More high purity components from crude mixtures
- Elimination of repeat runs
- Time-consuming TLC testing can be avoided



## RevealX™ detection maximizes compound recovery

### RevealX™ Detection: ELSD + 2 UV

■ ELSD ■ UV1 ■ UV2



Compound made visible with RevealX™ technology

Simultaneous processing of multiple UV and ELS detector signals through an advanced algorithm triggers timely fraction collection and delivers maximum recovery with ease.

With RevealX™ detection technology:

- Non-chromophoric compounds can be captured
- ELSD provides quantitative mass-balance data
- UV-active solvents can be incorporated into testing programs

## Purify More

### Reveleris® Cartridges

As a world renowned silica manufacturer and a leading chromatography supplier, we deliver high purity cartridges, optimized for flash chromatography.

- Higher loading capacity—fewer and shorter runs
- Superior resolution—higher compound purity

Automatic cartridge identification loads run parameters for each cartridge type into the Reveleris® system. This saves set-up time and reduces solvent usage.

### Reveleris® Navigator™ Software

Much more than a wizard—it actually optimizes flash run parameters to deliver faster results and higher purity.

- Fast, simple method optimization
- Fewer TLC runs
- Shorter run times
- Up to 30% less solvent use



## Pairing Reveleris® cartridges with the Reveleris® Flash System cuts purification time by 50%



UV Only



Reveleris® System

### Total time to purify crude sample

Total time includes:

- Reaction workup
  - Sample prescreen
  - Flash separation
  - Sample workup
- (lidocaine purification example)



Discover More

Reveleris® puts the focus on discovery and not on chromatography

- Reduce purification time by up to 50%
- Save money with up to 30% less solvent use and waste
- Free-up bench space
- Eliminate external gas supply



### We're Here to Help

Technical support for all chromatography applications is provided by an experienced team of chemists, sales and service personnel located all over the world. Our Reveleris® service program includes:

- Extensive applications support
  - Method development
  - Service and preventative maintenance
- [www.discoverysciences.com](http://www.discoverysciences.com)



Discover More

**Recover More**  
**Purify More**  
**Discover More**  
with the Reveleris® Flash System

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