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eNEWS UPDATE

Simultaneous Fraction Collection and Dry Down for SFC, SFE and HPLC

March, 2009

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**Register for the  
Modular SFC  
eNewsletter**

Welcome to the first edition of the Modular SFC eNewsletter. We plan to send quarterly eNews Updates on our latest news, technologies, products and applications for SFC, SFE and HPLC. If you find the content of interest, please be sure to register for the newsletter so you will continue to receive them as they are published.

[Register for eNewsletter](#)

### No Obligation Demo Offer

We will have 10 systems in inventory before the end of April, 2009. These will be made available for an onsite evaluation period of one month for new or existing customers. At the end of the demo period, you may choose to purchase the CFC or we will pick it up and you will be under no obligation what-so-ever.

[Click here to reserve your demo system.](#)

**Enabling SFE**

### News: Acetonitrile Shortage

Will this be the catalyst that propels SFC into the chromatography mainstream?

With the shortage of acetonitrile and the escalating prices of available supplies, many chromatographers are now considering SFC as an alternative to traditional LC. With the added benefit of Modular SFC's novel fraction and simultaneous dry down capability, chromatographers can readily migrate HPLC methods and take advantage of the inherent benefits of SFC:

- High speed separations
- High resolution, selectivity and purity
- Environmentally friendly
- Reduced reagent/disposal costs
- Lower cost per assay

[Learn more...](#)

### Product Spotlight

**CFC-2c Chiral Centrifugal Fraction Collection and Simultaneous Drying System for SFC, SFE and HPLC.**

The CFC-2c is a benchtop accessory for new and existing SFC, SFE and HPLC equipment. The CFC-2c provides chromatographers with the ability to separate, fractionate, and concentrate without post purification sample handling. The CFC-2c enables stacked or multiple injection modes for chiral or achiral samples. Dual analog inputs allow for UV and/or Mass Triggered collections. CFC-2c\_nobackground Fractions are collected at atmospheric pressure, eliminating the complexity and pressurized hardware requirements of conventional SFC fraction collectors.



The collection path is swept with inert gas or solvent between fractions eliminating the possibility of carryover.

[Learn more...](#)

**CFC-2e Centrifugal Evaporator**



The CFC-2 has been selected as the winner of the Laboratory Equipment magazine 2009 Readers Choice Awards. The system was recognized for its ability to increase yields, simplify processing, and save time for Supercritical Fluid Extraction (SFE).

[Learn more...](#)

#### Visit Us at Pittcon

- Booth No. 4943
- New Product Forum -  
March 09, 2009, 3:05  
PM, Room S505b

Evaporate multiple samples at atmospheric pressure Modular SFC's CFC-2e Centrifugal Evaporator employs novel centrifugal technology at atmospheric pressure to simultaneously evaporate solvents from up to 24 samples. The CFC-2e blows air or inert gas (at up to 50 L/min) simultaneously into each vessel inside a rotor that is spinning at up to 1500 RPM. This aggressive blow drying combined with precision heating control and 24 sample capacity yields rates greater than 8x that of conventional single sample rotary evaporation devices. The optional fraction collection upgrade allows the CFC-2e to be connected directly to any HPLC, SFC or SFE system.

[Learn more...](#)

#### Application Spotlight

Fraction Collection and Simultaneous Concentration for Chiral Purifications Using SFC.

SFC has proven particularly useful in drug discovery for providing pure enantiomers in support of scale-up synthesis. In most cases collected materials must be dried and concentrated before moving to the next step. Productivity can be significantly increased if the two serial processes of collection and concentration could be combined to occur simultaneously. Modular SFC has developed a novel, centrifugal fraction collector capable of collecting large volume fractions and simultaneously concentrating the fractions in the collection containers. Because the concentration process occurs simultaneously with the fractionation activity, the instrument significantly speeds the overall process from injection to dry pure compound.

[Learn more...](#)