



For Immediate Release

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Modular SFC to Introduce the CFCTM-2c Chiral Centrifugal Fraction Collector and Sample Concentration System for SFC at Pittcon 2009

Modular SFC is introducing the CFC-2c Centrifugal Fraction Collector and Sample Concentration System for supercritical fluid chromatography at Pittcon 2009, March 8 - 13, 2009, in Chicago (Booth No. 4943, 4944).

The CFC-2c system collects large volume fractions from any SFC system in an HPLC-like fashion and simultaneously concentrates the fractions in standard glass containers. The system is particularly useful for chiral separations where large volumes of enantiomers are being purified by stacked injections. Because the concentration process occurs simultaneously with the fractionation activity, the CFC-2c significantly speeds the overall chiral separation process from injection to pure dry compound. The typical process of stopping the run to transfer large containers of solvents to a rotary evaporation system is replaced by continuous operation and collection into one of four 250 mL bottles.

The CFC-2c system collects fractions at atmospheric pressure, eliminating the complexity and pressurized hardware requirements of conventional SFC fraction collectors. The instrument accommodates four 250 mL glass sample containers. The centrifugal technology employed by the CFC-2c captures non-volatile materials entrained in the gaseous CO₂ eluant stream with greater than 95% recovery. The simultaneous fraction drying is enabled by Modular SFC's Centri-FanTM (patent pending) technology which recirculates rotor chamber gas into each sample collection bottle at 50 cfm while the rotor spins and fractions are being collected. The centrifugal force assures high fraction recovery and purity despite the aggressive blow-down gas flow rate.

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About Modular SFC

Modular SFC is an instrument design and development company founded in 2007. The Company is committed to providing scientists and researchers the necessary tools to advance SFC into the mainstream of analytical and preparative chromatography. The company filed for its first SFC fraction collection technology patents in January 2007 and began shipment of its CFC Series of benchtop fraction collectors in 2008.