



Preparative SFC System With Chiral Detection

By Kristen Burkhardt / January 1, 2009

JASCO'S Featured Product at PITTCON 2009

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JASCO's featured product at Pittcon 2009 will be the Preparative SFC system with chiral detection. Providing a versatile modular design and excellent performance, this system is the ideal solution for fast, reliable chiral separation and isolation.

The heart of the system is JASCO'S patented back- pressure regulator, which allows control of system pressure regardless of solvent composition and flow rate. The pumping system is based on the proven performance of our 2000 series analytical SFE/SFC system and can deliver up to 120ml/min of CO₂ and 60 ml/min of modifier and flush solvents at pressures up to 35 MPa (5000 psi). Injections can be manual or fully automated. Repetitive injections can be performed to overlay chromatographic runs. Detection choices include UV and/or CD with MS interface capability.

Fraction collection of up to 8 fractions by time, signal level and/or slope is standard. In addition, spectral purity monitoring of chiral molecules using the g-factor output of the CD detector is standard with the CD detector option.

Up to 20 mm x 250 mm columns can be accommodated in the column oven while 30mm and larger columns can be used outside the oven.

SF-NAV Process control software is designed for fully automated operation, monitoring and recording of chromatograms, temperatures, and pressures.

About the Author

Kristen Burkhardt has a Bachelor's degree in Marketing from York College of Pennsylvania. She is the current CD/Export Sales Coordinator/Marketing at JASCO.

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