New Products

PeakMaster – The Concentrator System for Dynamic Headspace

The PeakMaster Sample Concentrator / Purge & Trap System, an environmental instrument, has been designed into a single package, to incorporate the plumbing and electronics, with the control panel on the easily removable front door. The controller can be located up to 6 m away.

This single cabinet contains the ability to perform sparging, impinging, thermal desorption and reactant gas features.

The PeakMaster may be configured to include a Water Elimination Trap, thus allowing the user to choose the best trap to remove water from the analytical stream.

Interfaces for thermal desorption, dynamic headspace and pyrolysis may be simultaneously fitted, either on-line with the trap or installed directly on-line with the Gaschromatograph.

The Gas Miser Option allows the user to select one carrier gas and another for the sparging process.

Cryogenic Trapping and Cryogenic Refocusing on the GC-column are available.

For unattended operation Autosamplers for different sample types and sample sizes are optional.

Further information: FlowChem Labor- und Datentechnik GmbH, Urbanstr. 5, 7122 Besigheim, Germany; Tel. 0911/567836; Fax. 0911/5665208.

Chiralyser – Detector for Chiral Compounds in HPLC

Recent development in the monitoring of Optically Active compounds has shown the need for a universal method of quantitatively detecting chiral compounds and enantiomers.

The Chiralyser is a selective Optical Rotation detector of the second generation specially designed for the use in analytical HPLC.

The instrument detects optically active substances according to their specific rotation including polarity and concentration. A solid state optical bank together with Faraday-Compensation and the unique construction of the glass-passivated flow cell guarantees a very

stable detector – baseline and makes the Chiralyser to the most sensitive Optical Rotation detector available on the market.

Further information: IBZ Meßtechnik GmbH, Vahrenwalder Straße 7, D-3000 Hannover 1, Germany; Tel. 0511/3563510; Fax. 0511/3563100.

Unmatched Sensitivity and Selectivity in a Programmable Fluorescence Detector

For faster methods development Waters Chromatography Division of Millipore Corporation has introduced a new high sensitivity, programmable fluorescence detector featuring scanning capability.

Waters 470 Scanning Fluorescence Detector offers high sensitivity, and programmability for detecting components of interest, and its natural selectivity makes it valuable in the analysis for carbamates, PAH's, vitamins, amino acids and aflatoxins. It is also capable of scanning for both excitation and emission to determine the optimum wavelengths for chromatographic separations. The detector uses a continuous spectrum xenon lamp and dual monochromator to scan wavelength ranges (200 to 700 nm for excitation and 220 to 700 nm for emission).

For added convenience, the Waters 470 offers automatically programmable wavelengths from 200 to 700 nm. It is possible to time program the Waters 470 for excitation and emission wavelengths and attenuation and gain functions.

Further information: Waters Chromatography, Division of Millipore, The Boulevard, Blackmoor Lane, Watford WD1 8YW, England; Tel. 0923-816375; Fax. 0923-56181.

Erratum

St. J. Hawkes

Anomalies in Homologous Relationships: When to Suspect Extrapolations

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On page 214, second column, lines 12 and 13, the correct sentence should read: This would be true of amides but not of ethers or alkanols.