

Micromass Limited

Micromass, a company focusing on mass spectrometry, presents their second generation LC TOF technology product, LCT™, which provides orthogonal acceleration time-of-flight technology in a benchtop workstation. As an alternative to conventional quadrupoles and ion traps, LCT™ provides both molecular weight and comprehensive structural information. LCT™ allows high throughput determination of exact masses for oligonucleotides, protein digest fragments, and other organic/inorganic compounds in solution. Its time-of-flight mass analyzer allows high frequency sampling of all ions simultaneously across the

full mass range of up to m/z 10,000, and it delivers up to a 100-fold gain in sensitivity compared to scanning analysers. LCT™ delivers excellent resolution and exact mass measurement, determined from each LC peak as it elutes. It can acquire up to 10 full mass spectra per second and can be purchased with the Micromass CEC-MS technology for fast characterization of complex mixtures, such as combinatorial libraries.



Micromass LCT™

LCT™ also features the new Micromass ZSPRAY™ API inlet technology, allowing analysis of small molecules as well as intact proteins with ES, NanoFlow ES and APcI options.

Thermo BioAnalysis Limited

Thermo BioAnalysis was formed in 1995 as a result of Finnigan MAT consolidating its MALDI technology into a single specialized company. Thermo BioAnalysis now has world-wide responsibility for all MALDI instruments developed by Finnigan MAT. They provide informative short publications regarding several applications for their DYNAMO MALDI mass spectrometer: (i) a rapid, high res-

olution method of peptide sequencing that combines carboxypeptidase Y enzymatic sequencing with MALDI analysis; (ii) a technique for analyzing recombinant proteins by combining affinity purification with MALDI mass spectrometry; (iii) a method for characterizing synthetic oligonucleotides; and (iv) uses of immobilized metal ion affinity-mass spectrometry.

Affinity Sensors

A subsidiary of Thermo BioAnalysis Corporation, Affinity Sensors introduces its new IAsys Plus instruments that combine advanced optical biosensor technology and instrument choice with a wide range of sensor surfaces. IAsys Plus uses a stirred cuvette design in an independent two well format, and the cuvettes are interchangeable between IAsys Plus and the IAsys Auto+ Advantage. The new

IAsys instruments allow a wide spectrum of interactions to be studied, from small molecules to mammalian cells, with applications in real-time analysis of molecular recognition, kinetics and equilibrium constant determination, analyte concentration assays, and affinity selection. IAsys Plus users can upgrade to the IAsys Auto+ Advantage by the integration of their original detector system.

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