

# New Products

## Birthday in Dispensing



**Birthday child:** Multipette was introduced by Eppendorf in 1979 as the world's first handheld dispenser (repeater).

**Celebration:** To celebrate Multipette's 30th birthday in fitting style, eppendorf.com/30years offers online competitions, an entertaining look back over the past three decades, and news of a changing selection of Multipette special offers throughout the year. Users are invited to enter the 'My Multipette and me' photo contest by uploading imaginative images, perhaps of a decorated Multipette, or 30th Birthday celebrations in their lab.

**Birthday Presents:** Each month from April to October 2009, one randomly selected winner from the online photo gallery will receive an exclusive Mini-Multipette laser pointer. In mid-November a jury, which includes a professional photographer, will select the thirty best pictures for publication on the website. The thirty photographers will each win a birthday cake, while the top three will be able to celebrate with an Eppendorf-sponsored lab party to the value of 600, 500 or 400 euros.

**Participation and more information:**

[www.eppendorf.com/30years](http://www.eppendorf.com/30years)

## Upright Freezers

**Product:** Space-Saving Upright Freezer Range.

**Name & Manufacturer:** HERAfreeze HD ultra-low temperature upright freezer range from Thermo Fisher Scientific.

**Technology:** This extension of the HERAfreeze line features thin-wall insulation which maximizes interior storage capacity without increasing the footprint. The freezer range is available in 702 and 889 liter models, with the latter being the world's largest ultra-low temperature upright freezer, offering a capacity of 70,000 samples in the same footprint of a conventional 702 liter freezer. A patented refrigeration system and a robust electronics platform provide energy efficiency, temperature stability and fast recovery times across the entire range, ensuring sample integrity.



**Advantages:** With a fully-programmable micro-processor control system, real-time visibility and precise temperature setpoints, users can quickly and accurately monitor internal conditions. An environmentally friendly design ensures that less heat is emitted into the laboratory and minimal power is consumed to maintain a stable cabinet temperature. Furthermore, quiet operation allows the freezers to reside directly in the lab, speeding up sample preparation and minimizing exposure to ambient air.

**More information:** [www.thermo.com/cold](http://www.thermo.com/cold)

## LCMS System



**Product:** LCMS-2020 single quadrupole mass spectrometer.

**Name & Manufacturer:** LCMS-2020 from Shimadzu.

**Technology:** The UFscanning technology achieves MS-measurement speeds of 15,000 u/sec without sacrificing sensitivity or resolution, thus obtaining the best chromatography for the fastest LC conditions. The UFswitching technology achieves 15 ms polarity switching, enabling accurate data from even the fastest chromatographic peaks without loss of peak height. Shimadzu redesigned the ion transfer section to provide greater sensitivity than other quadrupole analyzers for commonly measured substances. Users can now inject less and keep the analyzer cleaner for longer. It also has improved high mass operation with sensitivity increased for masses above 1,000.

**Advantages:** The LCMS-2020 has faster measurement speed and significantly higher sensitivity than any other single quadrupole analyzer. This provides more accurate detection of trace impurities.

**More Information:** [www.shimadzu.eu](http://www.shimadzu.eu)

## Mass Spectrometer



**Product:** MALDI-based mass spectrometer.

**Name & Manufacturer:** AB SCIEX TOF/TOF 5800 System from Applied Biosystems/MDS Analytical Technologies.

**Technology:** MALDI-TOF mass spectrometry works by ionizing biological samples and identifying the protein components by their molecular weight. The AB SCIEX 5800 System represents an advancement in that it enables researchers to identify up to 30% more proteins at a rate that is 10 times faster than any other MALDI system on the market, thereby setting the highest standard for protein biomarker discovery, MALDI imaging and protein identification. This system, combined with the processing software application, ProteinPilot 3.0, is part of a complete workflow that accelerates proteomics research.

**Advantages:** The AB SCIEX 5800 System enables scientists to achieve in less than a day what takes more than two weeks on other MALDI-based systems.

**More Information:** [www.appliedbiosystems.com](http://www.appliedbiosystems.com)