

The latest for the lab

Murine accomodation, proteomics and FDA compliance.



The red house: home comforts for mice.

Mouse House

Nalgene www.nalgenelabware.com
Creature comforts

The Mouse House is a triangular unit made of red polycarbonate with a flat top that fits into the corner of the cage. It is designed to enhance the well-being of laboratory mice by providing an environment that reduces abnormal stereotyped behaviours while encouraging a wide range of natural activities, such as jumping, climbing, squeezing through holes and sleeping during daylight hours. The red colour, which is seen as black by mice, provides a secure hiding place for them while being transparent to humans. The Mouse House is especially useful for immunodeficient and transgenic mice because of the heightened sensitivity and expense of these research models. The unit is washable and autoclavable.

4000 Q TRAP

Applied Biosystems www.appliedbiosystems.com
Linear ion trap mass spectrometer

The 4000 Q TRAP LC/MS/MS system, latest addition to Applied Biosystems' linear ion trap family, is a single-platform solution for the pharmaceutical drug development process. The system combines triple quadrupole technology with ion trap sensitivity, to give both qualitative and quantitative capabilities for protein and small molecule research. For

proteomics researchers, the system can help with the rapid identification and measurement of post-translational modifications at low levels from complex biological samples in a single LC/MS/MS run. In addition, it is designed to enable drug discovery and development researchers to rapidly identify, confirm and quantify metabolites at extremely low levels in a single experiment.

SPRINTPrep

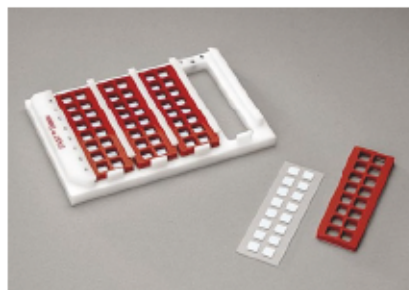
Agencourt Bioscience www.agencourt.com
Gives you a run for your money

SPRINTPrep is a rapid and easily automated purification method for high-copy plasmids that can be completed in less than 15 minutes. It isolates plasmid DNA directly from overnight growth cultures without the need to harvest cells, and can shorten sequencing time by as much as a full day. The simple protocol requires to sample transfers, cell pelleting, centrifugation or filtration. It is available in 96- and 384-well formats.

Gemini 4.1/ Magellan Tracker 4.0

Tecan www.tecan.com
CFR rules OK

An increasing number of laboratories need to comply with the FDA's CFR Part 11 ruling on electronic records and signatures, which specifies additional requirements in the areas of user management, authentication, electronic signature, audit trail and data security. These rules are fully implemented in Tecan's Gemini 4.1 pipetting software and Magellan Tracker 4.0 program for instrument control and data reduction. Gemini 4.1 can be used for life science applications on the Genesis RSP, Genesis Freedom and Genesis workstations, including those enabled by its Te-MO multi-channel pipettors. Magellan Tracker 4.0 has improved on-screen user instructions (wizards) and is suitable for use on detection products ranging from Sunrise to the new Ultra Evolution.



Four into one: FAST Frame from S&S.

FAST Frame

Schleicher & Schuell BioScience
www.schleicher-schuell.de

Multi-slide plate

The FAST Frame plate is designed for high-throughput processing of microarrays, and is used with 16-pad or 8-pad FAST slides and the corresponding incubation chambers. It holds up to 4 FAST slides, allowing processing of up to 64 different protein microarrays simultaneously. The 9 mm spacing (microtitre plate format) of the array pads on FAST slides makes the loaded FAST Frame compatible with automated liquid-handling systems and 8-channel manual pipettes. The rows and columns on each plate are labelled for easy indexing and sample application. Slides and chambers are easily inserted and removed, yet held securely in place. The affixed incubation chambers create leak-free wells that allow the use of multiple samples without cross-contamination. The frame is compatible with other 25 × 76 mm glass slides when they are used in conjunction with Schleicher & Schuell's 8- and 16-well incubation chambers.

These notes are compiled in the Nature office from information provided by the manufacturers. Material intended for publication can be sent to newproducts@nature.com.