



### Microbalances

The Excellence XP microbalances are designed for micro-dosing into large tare containers. They offer innovative features coupled with an inner draft shield to provide user protection, measurement performance, data security, and seamless traceability. The innovative grid-style weighing pan and the inner draft shield minimize the effects of air turbulence in the weighing chamber, which shortens stabilization times. Spilled samples sift through the grid and are caught in the underlying tray without affecting the weighing result, reducing cross-contamination and speeding up cleaning times. The micro Min-Weigh Door allows dosing through a small window directly into the tare container without opening the draft shield. The automatic outer draft shield doors open horizontally and the inner draft shield opens vertically. Both can be configured individually to allow easier access to the weighing pan. A full line of accessories includes the micro ErgoClips to allow secure fastening of small and odd-shaped tare containers to the weigh pan. Programmable infrared sensors allow for hands-free operation.

**Mettler Toledo** For information 614-438-4936 [www.mt.com](http://www.mt.com)

### Rat Druggable Genome

The Rat Druggable Genome siRNA Set V1.0 enables potent and specific knockdown of about 6,000 rat genes that correspond to human genes of potential therapeutic value. The small-interfering (si) RNAs are designed through HP OnGuard siRNA Design, which incorporates an innovative neural network, proprietary homology analysis, and advanced design features based on the most up-to-date knowledge of the mechanism of RNA interference. Subsets targeting 426 G-protein-coupled receptor genes, 738 kinase genes, and 198 phosphatase genes are also available.

**Qiagen** For information +49 2103 29 12400  
[www.qiagen.com](http://www.qiagen.com)

### Blot-Stripping Buffer

The Restore Plus Western Blot Stripping Buffer quickly and efficiently removes high-affinity antibodies from protein immunoblots without damaging the transferred proteins, thus allowing multiple re-probes for the target protein. The buffer is stored at room temperature and used without dilution. It is effective with nitrocellulose and poly(vinylidene fluoride) membranes, a variety of blocking buffers, horseradish peroxidase and alkaline phosphatase antibody conjugates, and various chemiluminescent substrates.

### Thermo Fischer Scientific

For information 815-968-0747 [www.thermofisher.com](http://www.thermofisher.com)

### Comet Assay Control Cells

In a typical single-cell gel electrophoresis, or comet assay, electrophoresis methods and differences in cell preparations create a significant source of variation in comet tail parameters. To overcome this problem, Trevigen offers a set of stable control cell populations containing incremental levels of DNA damage for use when per-

forming the CometAssay. These control cells, when electrophoresed in the CometAssay, consistently produce comets with predetermined percentages of DNA in the tails. These cryopreserved control cells are designed to act as controls to standardize alkaline electrophoresis methods between individual users and laboratories.

**Trevigen** For information 800-873-8443.

[www.trevigen.com](http://www.trevigen.com)

### Microbial and Nucleic Acid Removal

MicroSol 3+ is for disinfection of surfaces, pipettes, and other small laboratory instruments, with proven efficacy against bacteria, fungi, yeasts, DNA, and more. It was recently reformulated to include a synergistic blend of twin-chain quaternary ammonium compounds and amphoteric biocides. MicroSol 3+ offers an enhanced broad spectrum efficacy and improved environmental safety. It is effective against key human pathogenic microorganisms and interacts with DNA and RNA molecules to have a deleterious effect on their secondary structure, deactivating them within blood, plasma, and other samples.

**Anachem** For information +44 (0) 1582 745006

[www.anachem.co.uk](http://www.anachem.co.uk)

### Laser-Induced Breakdown Spectroscopy

The LIBS2500, a laser-induced breakdown spectroscopy (LIBS) system permits instant qualitative measurements of elements in solids, solutions, and gases for use in materials analysis, biomedical and forensic analysis, environmental monitoring, and more. Designed to be smaller and lighter than its predecessor, the slimmed-down system features an improved sensitivity of 10 to 50 ppm, a series of 2048-element, linear charge-coupled device detectors, and a seven-fiber optical sampling probe with a collimating lens and a

sampling lens. In contrast to the small spectral range of other LIBS systems, the LIBS2500 incorporates up to seven high-resolution spectrometers for spectral coverage as broad as 200 to 980 nm. The system operates with any 32-bit, USB-compatible Windows personal computer over a USB 1.1 or 2.0 interface. Integral application software fires the laser and identifies the element being analyzed, performing element identification, reference correlation by full pixel, reference correlation by spectral line, time-dependent analysis, and line tracking over multiple samples.

**Ocean Optics** For information 727-733-2447

[www.OceanOptics.com](http://www.OceanOptics.com)

### Hot/Cold Plate Analgesia Instrument

The Combination Hot/Cold Plate Analgesia Instrument can be used either as a conventional hot plate or cold plate for demonstrating that animals' receptors respond differently between "hot" and "cold" pain. This single device can test reactions in mice and rats to temperatures between 4° C and 66° C. The hot/cold plate carries out a rapid, precise screening of analgesic drugs and their effect on hot and cold receptors in the brain. The animal is placed on the surface as a foot pedal is pressed to start a clock. The observer presses the foot pedal again when the animal makes a stereotyped paw lick in response to the temperature change.

**Stoelting** For information 630-860-9700

[www.stoeltingco.com/physio](http://www.stoeltingco.com/physio)

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# Science

## New Products

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