

New Products

Liquid handling



Product: Digital burette.

Name & Manufacturer: Titrette from Brand.

Technology: The Titrette has an novel measuring system – so even the error limits of Class A glass burettes per DIN EN ISO 385 are met. It can display 3 decimal places for volumes below 20 ml. The Titrette is available as 25 ml- and 50 ml-burette. Included: performance certificate, telescoping filling tube, recirculation tube, 2 micro batteries (AAA/UM4/LR03), 3 bottle adapters PP, 2 colored light shield inspection windows.

Advantages: - Easy-grip hand wheel action and smooth precision gears for fast or drop-wise titration make handling simple and reliable.

- Light-weight and compact.

- The titrating tube can be adjusted horizontally and vertically – this provides flexibility when positioning the instrument, e.g., when using a magnetic stirrer or different bottle sizes.

More Information: www.brand.de

Animal Imaging



Product: Near-infrared Small Animal Imager.

Name & Manufacturer: Pearl Imager: Near-infrared In vivo Imaging System from Li-Cor Biosciences.

Technology & advantages: Using the Near-Infrared (NIR) spectrum in animal imaging offers minimal tissue autofluorescence and light scattering. The Pearl Infrared In Vivo Imager is optimised for live animal imaging. It starts with dual-channel NIR detection for sensitivity, and continues with design simplicity that minimizes

user effort through one-button image acquisition. Laser excitation rather than white light allows for deeper tissue penetration and higher sensitivity. Patented optical design provides superior signal-to-noise ratio. The Pearl requires less than 30 seconds to capture white light, 700 nm, and 800 nm images in a single image acquisition. Speed minimises animal stress and increases productivity. An 6 logs (22 bits) of dynamic range are available for each image. The Pearl Cam Software acquires perfect images on the first attempt, without saturated or underexposed pixels. The instrument's small footprint simplifies mobility and accomodates placement into any lab.

More information:

<http://www.licor.com/bio/pearl/index.jsp>

Spectrophotometer



Product: UV/Vis spectrophotometer.

Name & Manufacturer: Libra UV/Vis spectrophotometers from Biochrome.

Technology and advantages: The Libra S11 accepts accessories, such as a long path length cell holder (for dilute samples), 2-position cell changer and a wider range of temperature control options. For UV-measurements the Libra S12 features an additional ultra-violet light source. The mid-range model Libra S22 is for general purpose UV/Vis spectroscopy and has a sample compartment designed to accommodate a range of accessories including an 8-position automatic sample changer as standard. The instrument saves running costs through the use of a Xenon light source. The Libra S32 and S35 are top of range pharmacopoeia-compliant instruments designed for pharmaceutical QC laboratories that require narrow bandwidth capabilities to fulfil regulatory requirements.

More Information: www.biochrom.co.uk

Automated Pipetting

Product: Nanoliter Dispensing Tips for Automated Pipetting.

Name & Manufacturer: PocketTip D.A.R.T.s tips from Thermo Fisher Scientific.

Technology: PocketTip D.A.R.T.s tips enable nanoliter volume dispensing on Thermo Scientific Matrix automated systems. An internally



molded capillary pocket allows the transfer of 50-500 nL of concentrated sample compounds suspended in Dimethyl Sulphoxide (DMSO) directly to assay plates. Through aspiration, the capillary pocket fills with the specified amount of compound solution and facilitates soft in-tip mixing of sample and assay material.

Advantages: The face seal of the D.A.R.T.s tip minimizes tip-to-tip height variations for consistent dispensing. This allows to perform assays quicker, reduce reagent costs and prevent compound precipitation for more accurate results. The tips are suited for secondary compound screening applications, such as selectivity assays, potency determinations, cell- and enzyme-based assays and PCR primer dilutions.

More Information: www.thermo.com/matrix

Pipetting



Product: Low retention pipette tips.

Name & Manufacturer: epT.I.P.S. LoRetention from Eppendorf.

Technology: As liquids containing detergents wet polypropylene, a film remains on a standard tip's surface following pipetting. This leads to loss of sample material, increased consumption of reagents, and poor precision and reproducibility. epT.I.P.S. LoRetention tips feature 'Pearl Effect' surface technology to ensure maximum sample recovery when dispensing detergent solutions.

Advantages: epT.I.P.S. LoRetention have no coating or additive which might affect or bleed into the sample. Instead, Eppendorf's 'Pearl Effect' technology renders the tip surface ultrahydrophobic through a modification at the molecular level. As a result, detergent solutions simply roll off completely and sample is not lost.

More information:

www.eppendorf.com/loretention