

## CHIMIA REPORT/COMPANY NEWS

Firmen stellen sich und ihre Produkte vor

Beiträge bitte direkt an: Kretz AG, Postfach 105, CH-8706 Feldmeilen, info@kretzag.ch

Companies present themselves and their products

Please contact: Kretz AG, Postfach 105, CH-8706 Feldmeilen, info@kretzag.ch

### 862 Compact Titrosampller – einzigartig in Grösse und Leistung



Metrohm setzt neue Massstäbe in der Routineanalytik. Der 862 Compact Titrosampller ist eine voll automatisierte Titrierstation, die Titrator und Probenwechsler vereint – und das auf dem Footprint einer handelsüblichen Laborwaage. Mit dem 862 Food/Beverage Compact Titrosampller und dem 862 Salt Compact Titrosampller bietet Metrohm darüber hinaus zwei Komplettpakete, in denen von der Elektrode über Probenbecher bis zu Methodenvorlagen alles für die professionelle Routineanalytik im Bereich Lebensmittel bzw. zur Chloridbestimmung enthalten ist.

#### Vollautomatische Analysen auf 12 Positionen

Der Compact Titrosampller fasst 12 Probenbecher und erlaubt die vollautomatische Durchführung verschiedenster Analysen einschliesslich Reinigung und Konditionierung der Elektrode zwischen den Bestimmungen.

#### Zugeschnitten auf Routineanwender

Im grossen und übersichtlichen Display wird die Tit-

rationskurve in Echtzeit dargestellt. Der Anwender erkennt den aktuellen Status der Probenserie auf einen Blick. Dringende Proben lassen sich jederzeit bevorzugt analysieren. Der Compact Titrosampller verfügt über einen hochpräzisen Messeingang und bietet Anschlüsse für eine intelligente Dosiereinheit, Rührer und USB-Drucker. Durch Plug-and-play-Funktionalität entfällt ein umständliches Konfigurieren der angeschlossenen Geräte. Die Bedienung des 862 Compact Titrosampller ist denkbar einfach und erfolgt per Mausklick. Mit dem Compact Titrosampller erhält der Kunde einen USB Stick für den Methoden-Backup sowie zum Transfer von Messdaten in ein LIMS.

- Metrohm Schweiz AG  
Bleiche West  
CH-4800 Zofingen  
Tel. +41 62 745 28 28  
Fax +41 62 745 28 00  
info@metrohm.ch

### New Automated Force Spectroscopy with Optional Temperature Control and Fluidics System



#### JPK Instruments' new ForceRobot® 300 – The New Standard in Single Molecule Force Spectroscopy

Bucher Biotec AG, the exclusive Swiss distributor of JPK Instruments, is proud to announce the release of JPK Instruments' new ForceRobot® 300 – an automated force spectroscopy with optional temperature control and fluidics system.

The main areas of application are the determination of intermolecular and intramolecular forces governing key biological processes such as receptor/ligand binding, protein folding/unfolding, DNA melting and so forth. Using the ForceRobot® overcomes the limitations of traditional force measurements.

The ForceRobot® automates routine procedures and provides software support for experimental design, data acquisition and evaluation.

#### Key Features:

- Fully automated force spectroscopy with highest flexibility
- Cutting edge force spectroscopy and force mapping in combination with single molecule fluorescence
- Automated laser and detector alignment
- Automated cantilever drift compensation
- Advanced and dedicated software with Experiment-Planner™, RampDesigner™ and built-in data batch processing

We would be happy to discuss your personal requirements. Simply give us a call!

- Bucher Biotec AG  
Viaduktstrasse 42  
4051 Basel  
Tel. 061 269 1111  
Fax 061 269 1112  
info@bucher.ch  
www.bucher.ch

## New Technology for High Throughput UV-VIS Analysis of Small Droplets



### Trinean's DropSense96® Multi-Channel UV-VIS Spectrophotometer

DropSense96® is a novel generation of multi-channel UV-VIS spectrophotometer suitable for high throughput spectral analysis of microliter samples of biomolecules or small compounds.

#### Key applications:

- Nucleic acids concentration measurements
- Purity calculations
- Measurement of dye labeling efficiency of microarray samples
- Direct protein quantifications
- Color measurements (e.g. Bradford)
- General UV/VIS measurements

The patented technology is based on a multi-channel spectrophotometer and uses microfluidic Drop-Plate16/96® chips for sample storage and measurement. The Drop-

Plate16/96® chips are specifically designed for precise absorption measurements of small (0,5–3 µl) samples with a very broad absorption range. They are perfectly suitable for robotic handling and provide steady measuring conditions and enhanced reproducibility due to fixed pathlengths and elimination of sample evaporation.

The Trinean technology for improved UV-VIS characterization of droplets can be used in multiple applications, including RNA/DNA/protein quantification, enzymatic reactions, ADME profiling and diagnostic tests.

Interested in a system Demo at your lab? Simply give us a call!

- Bucher Biotech AG  
Viaduktstrasse 42  
4051 Basel  
Tel. 061 269 1111  
Fax 061 269 1112  
info@bucher.ch  
www.bucher.ch

## Instant Stabilization of Tissue Samples Upstream Enhances Quality and Value of Analytical Results Downstream



### Denator's Stabilizor™ T1 System

Bucher Biotech AG is very proud to announce the appointment as the exclusive Swiss Distributor for Denator AB's product portfolio. Swedish based Denator AB is very well known for its Stabilizor™ T1 system, the company's first commercially available system for instant stabilization of tissue samples.

Rapid degradation of proteins and peptides in ex vivo samples is a well known problem facing scientists trying to establish proteomic and peptidomic profiles in normal or diseased states. The smallest changes upstream can significantly influence results downstream, and degradation begins within seconds of a tissue being sampled. As a consequence, vital information about the original biological state may be destroyed or distorted, leading to inter-sample variation and the risk of incorrect data interpretation.

Stabilizor T1, based on Denator's proprietary heat inactivation technology, enables scientists to stabilize tissue at the crucial moment of sampling. By stopping degradation instantly and permanently, scientists can now determine the original biological state of every sample, improve data interpretation and discover novel proteins and peptides that would normally go undetected.

In order to arrange for a system demonstration at your lab, simply give us a call.

- Bucher Biotech AG  
Viaduktstrasse 42  
4051 Basel  
Tel. 061 269 1111  
Fax 061 269 1112  
info@bucher.ch  
www.bucher.ch

# Für Ihre Werbung und Stellenangebote in CHIMIA:

Kretz AG, Zürichsee Zeitschriftenverlag

Claudio Moffa | Seestrasse 86 | Postfach | 8712 Stäfa | Telefon 044 928 56 31

claudio.moffa@kretzag.ch | www.kretzag.ch

## MDS Analytical Launches New Molecular Devices® SpectraMax® M3 & M4 Multi-Mode Microplate Readers



### SpectraMax Line of Readers Now Includes 14 Unique Configurations to Accommodate Wide Range of Customer Detection Needs

MDS Analytical Technologies has further expanded the series of SpectraMax multi-mode microplate reader. With the recent launch of SpectraMax M3 and M4, two additional & tailor-made instruments are available, supporting all major microplate assays.

The new systems were designed specifically in response to requests from existing users

of SpectraMax® Readers for more affordable multi-mode detection capabilities. By offering two new configurations of multi-mode readers that deliver increased capabilities over the M2/M2e Dual-Mode Readers at a more affordable price than the top-of-the-line M5/M5e Multi-Mode Readers, MDS Analytical Technologies can now meet an even greater combination of detection, application, and budgetary needs.

SpectraMax M3 combines reading of absorbance, fluorescence and luminescence. The SpectraMax M4 shows

additional support of time-resolved fluorescence reading. Hallmarks of all SpectraMax instruments are monochromatic light source, temperature regulation and compatibility with StakMax automated plate handling. These characteristics put M3/M4 perfectly in line with the M2 (absorbance/fluorescence) and M5 multi-mode readers from Molecular Devices. And you can seamless upgrade from M3 to M4 to M5 at any time later.

The introduction of the new multi-mode readers is flanked by the new SpectraTest LM1 plate for luminescence performance validation. The family of SpectraTest validation plates for absorbance, fluorescence and luminescence, provide users an automated, traceable method for instrument validation that delivers less variability than traditional techniques and interrogates all critical parameters of instrument performance needed for GLP/GMP compliant operation.

All SpectraMax® M Series Readers accommodate a cu-

vette as well as six-well to 384-well standard microplates.

In addition, SpectraMax® Readers enable well-volume detection via the patented Path-Check® Sensor and superior optical capabilities via a patented Smart Optics™ Design.

The outstanding reliability and performance of SpectraMax readers is completed by SoftMax Pro software, the industry-leading microplate reader software, offering intuitive operations as well as all features needed in regulated environments, such as GLP/GMP or FDA 21 part 11 compliance.

For further Informations simply give us a call.

- Bucher Biotec AG  
Viaduktstrasse 42  
4051 Basel  
Tel. 061 269 1111  
Fax 061 269 1112  
info@bucher.ch  
www.bucher.ch

## Avoid forming of irritating droplets and wetness New Condensation Monitor Series EE46 from E+E Elektronik



Cooling ceilings, critical areas in HVAC and technical installations, which are operating close to the dewpoint temperature, need an early alarm system against the forming of

moisture, because of the potential danger of condensation.

The new condensation monitor EE46 from E+E Elektronik is specially designed for such applications and can be in-

stalled in a few seconds on pipelines, walls, and ceilings.

The early detection of "danger of condensation" and as a result the immediate start of counter measures renders this product as very significant.

A special coating protects the sensor and electronics against dirt and dust – a guarantee for a longstanding, stable and above all maintenance free operation.

The fast response, high accurate E+E humidity sensor is exposed to the temperature of the surface of the object by means of a thermal conducting foil. Therefore, the humidity sensor measures the same relative humidity as is present at the surface of the object to be monitored.

If the preset set point of 90 % RH is exceeded the EE46 switches a potential free contact

and provides a signal enabling to take early counter measures, e.g. to increase the temperature of the water in the pipe, to decrease the cooling power or to turn on the heat. In addition, a LED on the enclosure indicates the actual status.

The condensation monitor of the Series EE46 is designed to be powered by 24 V ac/dc and is the ideal solution for the early detection of condensation – another innovative member of the E+E HVAC assortment.

- E+E Elektronik GmbH  
Langwiesen 7  
A-4209 Engerwitzdorf  
Tel. +43 7235 605 0  
Fax +43 7235 605 8  
raab.m@epluse.at  
www.epluse.com