



EXHIBITOR HIGHLIGHTS

AGILENT TECHNOLOGIES

A2.105

When measurement matters, Agilent Technologies can offer tools and solutions for scientists, researchers, manufacturers, and businesses, as well as government agencies. From food safety to material science, from pharmaceutical analysis to discovering the genetic basis of disease, Agilent instruments can provide the measurement capabilities that make the world a more productive and a safer, healthier, more enjoyable place to live. Visit the Agilent booth at 105–106 (Hall A2) to discover the company's recent product developments and ever-expanding solutions.



Agilent Technologies

www.agilent.com

richard_larsen@agilent.com

AKZONOBEL

A1.240

At Analytica 2014, AkzoNobel will showcase Kromasil EternityXT UHPLC and HPLC columns based on state-of-the-art grafting technology, used for reversed-phase separations and purifications that require harsh conditions, fast turnaround, easy method transfer, and seamless scale-up from R&D to production. The company report that its Kromasil brand is a premium choice for separations and purifications and is available for a wide range of NP, RP, SFC, and chiral applications.



Kromasil[®]

www.kromasil.com

kromasil@akzonobel.com

AVANTOR PERFORMANCE MATERIALS

A1.215

Avantor Performance Materials manufactures and markets high performance chemistries and materials around the world. Avantor is an established global supplier of high-purity laboratory chemicals, including solvents, acids, solutions, salts, minerals, and sugars. Avantor products are used in research and production laboratories, environmental testing, industrial manufacturing, and many other areas around the world, delivering the quality and purity needed for demanding applications.



www.avantormaterials.com

avantor.emea@avantormaterials.com

EXHIBITOR HIGHLIGHTS

BERTHOLD TECHNOLOGIES

B1.417

Berthold Technologies, a worldwide supplier of radio isotope detectors for liquid chromatography applications, has manufactured flow monitors in Germany for more than 35 years. The current portfolio consists of the FlowStar, a multi-purpose detector operated in coincidence mode with exchangeable measuring cells for various flow rates, isotopes, activities, and pressures including UHPLC applications. All instruments can be operated with the RadioStar software or can connect to the HPLC system software via digital or analogue outputs.



www.Berthold.com/bio
bio@Berthold.com

BIOSOLVE CHEMICALS

B1.114

For over three decades, Biosolve has produced high purity solvents, reagents, and targeted chemical compounds for the pharmaceutical industries and biotechnology. Bio-lab and Biosolve Chimie have the highest ISO standards by using stringent quality control processes. Excellent service starts with the right packaging through to swift and reliable delivery. Biosolve welcomes you to contact them whenever you need sound advice for product design that accommodates your needs the best.



www.biosolve-chemicals.eu
info@biosolve-chimie.com

BIOTAGE

A1.221

Biotage is a global company active in life science technology. With a broad scope of tools for synthesis, work-up, purification, evaporation, and analysis, the company offers solutions, knowledge, and expertise in the areas of analytical chemistry, medicinal chemistry, peptide chemistry, and process-development. Products featured at Analytica 2014 will include the Biotage Extrahera SLE and SPE automation system, the Isolera Dalton mass directed flash chromatography system, and the Initiator+ Alstra automated microwave peptide synthesizer.



www.biotage.com
info@biotage.com

EXHIBITOR HIGHLIGHTS

CHIRAL TECHNOLOGIES

A1.229A

Chiral Technologies, a global leader in enantioselective chromatography, serves the pharmaceutical and other life science industries and offers a large portfolio of chiral stationary phases (CSPs) and analytical and preparative chiral columns for the separation of racemic mixtures into single enantiomers. The company also provides analytical method development and custom separation services. On show at Analytica 2014 will be the Chiralpak IE and IF, the newest addition to the Chiral Technologies family of immobilized CSP.



www.chiral.fr
cte@chiral.fr

CHROMACADEMY

B2.148

CHROMacademy offers instruction for analytical chemists via www.CHROMacademy.com, an intuitive e-learning and troubleshooting website with more than 5,000 pages of content for HPLC, GC, sample preparation, hyphenated techniques, and IR. Also available are "Essential Guide Webcasts" and Tutorials, as well as live tutor led training events such as "Live On The Web" and "Live @ Your Place". No other educational platform offers separation scientists more live streaming events, a comprehensive knowledge base, practical solutions and new technologies in one easy to navigate website.



www.CHROMacademy.com
abasis@advanstar.com

CTC ANALYTICS AG

A1.337

CTC Analytics AG is a leader in front-end automation for gas and liquid chromatography. Visit the booth to see the PAL RTC instrument, which is said to remove bottlenecks in laboratory workflows in seconds. The RTC changes automatically between different syringes, liquid injection, headspace, and solid-phase microextraction (SPME) without the need for manual intervention. A new addition is the PAL RSI. Optional for both systems are a vortex mixer, incubator, temperature controlled storage, and a complete range of valves and syringes (1 µL to 10 mL).



www.palsystem.com
info@palsystem.com

EXHIBITOR HIGHLIGHTS

DATAAPEX

A1.500

DataApex will be exhibiting Clarity software at Analytica 2014. Able to control over 450 different instruments from one environment, the software is multilingual, with the option to switch between English, Chinese, Russian, Spanish, French, and German. The new MS extension allows for data acquisition from MS detectors and simultaneous data evaluation for both conventional and MS detectors. The company report that it is easy to operate, and includes free SW updates and optional extensions (including PDA, GPC, and NGA). A free demo version is available from the website.



www.dataapex.com
sales@dataapex.com

FORTIS TECHNOLOGIES

A2.132

Fortis Technologies supplies UHPLC and HPLC columns to the pharmaceutical, environmental, and food industries. Utilizing silica and bonding technologies at its UK site, Fortis Technologies aims to supply innovative solutions to the separation and purification industries. This year is the launch of the company's core-shell particle, Fortis SpeedCore, designed to enhance speed, sensitivity, and resolution of analysis. The particle is available in several phase chemistries to match the need of the individual analyst. Fortis also manufactures 1.7 μm particles specifically for use in UHPLC.



www.fortis-technologies.com
info@fortis-technologies.com

GE HEALTHCARE LIFE SCIENCES

A3.306

GE Healthcare Life Sciences offers tools for drug discovery research, upstream and downstream biopharmaceutical manufacturing, and cellular technologies. The company has broad expertise across the life sciences, and is committed to helping researchers around the world discover new and effective ways to predict, diagnose, and treat disease. Products featured at Analytica 2014 will include ÄKTA pure 150, Cytell Cell Imaging System, Amersham Imager 600, and bioreactors such as the ReadyToProcess WAVE 25.



www.gelifesciences.com
custservde@ge.com

EXHIBITOR HIGHLIGHTS

GERSTEL

A1.323

Gerstel develops and produces automated solutions for GC-MS and LC-MS including sample preparation and sample introduction. At Analytica 2014, Gerstel will showcase the MultiPurpose Sampler for automating derivatization and addition of standards. Sample clean-up techniques include SPE; on-line SPE with exchangeable cartridges; filtration; centrifugation; and vortexing. Solvent-free extraction and concentration techniques for GC-MS include: Headspace, dynamic headspace (DHS), thermal desorption, thermal extraction in μ -vials, SPME, and SBSE — all operated with MAESTRO PrepAhead efficiency.

The Gerstel logo consists of the word "GERSTEL" in a bold, black, sans-serif font, enclosed within a rectangular border that has a pink-to-purple gradient.

www.gerstel.com
gerstel@gerstel.com

HAMILTON

B1.304

Hamilton is a global company specializing in the design and manufacture of liquid handling, process analytics, robotics, and automated storage solutions. For more than 60 years, Hamilton has combined quality materials with skilled workmanship to ensure the highest level of performance. Founded on the technology of analytical microlitre and gastight syringes, Hamilton has a wide offering of laboratory products including Arc pH, DO and conductivity intelligent sensors, Microlab 600 Diluters and Dispensers and the Microlab 300 Guided Pipetting System.

The Hamilton logo features the word "HAMILTON" in a bold, blue, sans-serif font. To the right of the text is a circular emblem containing a stylized globe or sphere.

www.hamiltoncompany.com
contact@hamilton.ch

IDEX HEALTH AND SCIENCE

A2.425

IDEX Health and Science is a leading company in fluidic products and components for life science instruments and laboratory applications. They offer a broad product portfolio that includes valves, fittings, tubing, column hardware, precision dispense pumps, degassing, detection technologies, manifolds, and peristaltic pumps.

The IDEX Health & Science logo features the word "IDEX" in a large, bold, blue, sans-serif font. Below it, the words "HEALTH & SCIENCE" are written in a smaller, blue, sans-serif font. A stylized white star or asterisk is positioned to the right of the "X" in "IDEX".

www.idex-hs.com/analytica
Customerservice.hsEurope@idexcorp.com

EXHIBITOR HIGHLIGHTS

LABOMATIC INSTRUMENTS

A1.134

Labomatic Instruments offers standard and customized solutions for preparative HPLC, preparative liquid handling systems, and a wide range of tubings, assembled tubings, fittings, and other products for analytical, medical, and fluid handling systems. Products on show at Analytica 2014 will include the HD-5000 triple-piston gradient pump, with an integrated system controller for preparative HPLC, and the HD-5000 for low pressure gradients.



www.labomatic.com
info@labomatic.com

LC•GC

B2.148

LC•GC will be showcasing its three print publications, *LC•GC North America*, *LC•GC Europe*, and *LC•GC Asia Pacific* at Analytica 2012. Electronic publication, *The Column*, will also feature. Working alongside CHROMacademy, the magazines offer separation solutions to scientists working in a range of industries by providing peer-reviewed articles, troubleshooting columns, market analyses and much more. Please feel free to call at the LC•GC booth to discuss any queries or upcoming editorial, sales or marketing opportunities.



www.chromatographyonline.com
amatheson@advanstar.com

LECO CORPORATION

A1.324

LECO Corporation offers a range of analytical equipment including CHNOS elemental analyzers for organic and inorganic materials, thermogravimetry, calorimeters, GDS spectrometers, metallographic solutions, and consumables. The separation science division offers comprehensive chromatography and time-of-flight mass spectrometers. Customers around the world have trusted LECO to provide analytical solutions for a variety of applications and markets. LECO can provide the right combination of instruments to meet your needs, and professional service and application support.



www.leco-europe.com
marketing@leco.de

EXHIBITOR HIGHLIGHTS

MALVERN INSTRUMENTS

A1.227

Malvern Instruments offers materials and biophysical characterization systems that can be used across a diverse range of industries and applications. On show at Analytica 2014 will be the Viscotek SEC-MALS 20, an addition to Malvern's range of GPC/SEC detectors. The detector measures absolute molecular weight of proteins and all types of natural and synthetic polymers. It also measures radius of gyration (Rg) for molecules over 10 nm. Malvern report that the system's 20 angles and low angles improve data quality giving more accurate molecular weight and Rg measurements.



www.malvern.com
salesinfo@malvern.com

MARKES INTERNATIONAL

B2.138 & B2.145

Markes International, an industry leader in technology for trace organic analysis, manufactures a range of instrumentation and software that enhances the analytical capability of GC-MS. As well as having a reputation for thermal desorption solutions for GC, Markes also manufactures the BenchTOF time-of-flight mass spectrometers — powerful tools for GC or GC×GC analysis of targets and unknowns. New for Analytica 2014 will be Select-eV, a variable-energy electron ionization technology for GC-MS.



www.markes.com
enquiries@markes.com

METROHM

A1.101

Metrohm specializes in titration and voltammetry and in the manufacture of instrumentation for ion chromatography, process analysis, laboratory instrumentation, and near-infrared spectroscopy. At Analytica 2014, the 940 Professional IC Vario high-performance ion chromatography system for research applications and routine use will be on show. Entirely modular by design, Metrohm report that the system enables unlimited configuration possibilities and meets even the most challenging analytical requirements.



www.metrohm.com
info@metrohm.com

EXHIBITOR HIGHLIGHTS

MOLNÁR-INSTITUTE

A1.534

Founded in 1981, the Molnár-Institute focuses on strategies for improving the efficiency and success of modern (U)HPLC. With its comprehensive resolution and robustness mapping abilities, DryLab offers an intuitive and visual software solution for method development, optimization, trouble-shooting, robustness testing, and training. The latest product from the Molnár-Institute, the Knowledge Management Reporting Tool, is reported to help scientists create QbD-conforming method reports ready for submission to regulatory authorities, significantly speeding up the process of regulatory approval.



www.molnar-institute.com
info@molnar-institute.com

PARKER HANNIFIN

A1.519

Considering changing from helium to hydrogen carrier gas for your GC? Parker Hannifin has an extensive range of ultra-high purity hydrogen generators, reportedly ideal for carrier gas, including the new PEM Palladium range — 99.99999% purity, 11.9 bar and 1300 mL/min. Parker is a leading provider of hydrogen, nitrogen, and air generators for the analytical instrument market. Generators are specifically designed to meet the stringent gas requirements of the leading manufacturers of GC, GC–MS, LC–MS, and many more analytical instruments.



www.parker.com/dhfn
gerard_catchpole@parker.com

PEAK SCIENTIFIC INSTRUMENTS

B1.129

Peak Scientific Instruments Ltd is a manufacturer of laboratory gas generators including nitrogen, hydrogen, and zero air, reported to be suitable to operate most laboratory analytical applications such as LC–MS and GC. At Analytica 2014 Peak Scientific will be exhibiting the Precision Series. A modular gas generator range for single and multiple GC applications, it reportedly allows the separation and analysis of multiple gas types and complex mixtures with excellent accuracy in the most spatially economic labs.



www.peakscientific.com
marketing@peakscientific.com

EXHIBITOR HIGHLIGHTS

POLYMER CHAR

A2.224

Polymer Char is a company dedicated to the development of innovative and user-focused solutions for polymer analysis, specifically the structural characterization of polyolefins. Featured techniques are: Molar mass distribution using GPC/SEC (GPC-IR, GPC One), chemical composition distribution (CRYSTAF, TREF, CEF), bivariate distribution by cross-fractionation chromatography (CFC), high temperature HPLC (TGIC, SGIC 2D), soluble fraction analysis or "xylene solubles" (CRYSTEX, CRYSTEX QC), preparative fractionation (PREP mc2, PREP C20), and infrared detection (IR4, IR5 MCT).

Polymer Char

aleyda.monzon@polymerchar.com
www.polymerchar.com

POLYMER STANDARDS SERVICE (PSS)

A1.424

PSS is a specialist in the analysis of macromolecules and provides services and supplies for GPC/SEC or HPLC of polymers, biopolymers, and proteins. Showcased at Analytica 2014 will be the 2D Polymer Analyzer, reported by PSS to combine separation techniques in an automated, easy-to-use, and user-friendly solution. Data evaluation includes creation of contour plots with just a single mouse-click. Other featured products are the latest version of WinGPC UniChrom software, PolarSil and NOVEMA Max columns for advanced polycation analysis, and European reference materials.



www.pss-polymer.com
info@pss-polymer.com

SGE ANALYTICAL SCIENCE

A1.440

SGE Analytical Science is a leader in creating components and consumables used in scientific analysis. At Analytica 2014, a range of liquid handling, GC, and HPLC products will be on show with the authorized distributor IVA Analysentechnik e. K. Specializing in the field of scientific glass engineering for liquid handling and separation science, SGE has a well-established foundation in materials science, precision glass engineering, chemistry, and an understanding of analytical science application. SGE is part of the Trajan Scientific and Medical group of companies. Learn more at www.trajanscimed.com



www.sge.com
europe@sge.com

EXHIBITOR HIGHLIGHTS

SHIMADZU

A1.502

Shimadzu is one of the world's leading manufacturers of analytical instrumentation. The company's equipment and systems are used as essential tools for quality control in health, environmental, and consumer protection. Business segments of chromatography, spectroscopy, environmental analysis, balances, biotechnology, and material testing make up a homogeneous yet versatile offering. At Analytica 2014, Shimadzu will exhibit the new LCMS-8050 triple quadruple LC-MS-MS system that meets the growing demand for trace-level quantitation in clinical research and other markets.



www.shimadzu.de
info@shimadzu.de

THERMO FISHER SCIENTIFIC

B1.101

Thermo Fisher Scientific will be displaying LC-MS and isotope ratio instruments, innovations in separations, and software at Analytica 2014. Products on display will include: The Thermo Scientific Orbitrap Fusion Tribrid LC-MS combining three mass analyzers; the TSQ Quantiva LC-MS-MS that breaks the attogram sensitivity barrier; and the Trace 1300 Series GC, which offers options to conserve helium, employ multiple detectors simultaneously, and automate sampling gas workflows. Also featured is the Virtuoso Vial Identification System, reported by Thermo to automate vial labelling to minimize errors and increase productivity.



www.thermoscientific.com
martine.ruprecht@thermofisher.com

TOSOH BIOSCIENCE

A2.223

Tosoh Bioscience is a leading provider of liquid chromatography technology. The company's portfolio encompasses GPC instruments and a comprehensive line of biopurification media and (U)HPLC columns for all common modes of liquid chromatography. At Analytica 2014 Tosoh Bioscience will showcase products for HPLC bioanalysis, biopurification, and SEC/GPC analysis, such as the TSKgel SuperSW mAb series of SEC columns for antibody analysis, the ultra-high capacity TOYOPEARL Protein A and mixed-mode media, and the high temperature GPC system EcoSEC HT.



www.tosohbioscience.de
info.tb@tosoh.com



EXHIBITOR HIGHLIGHTS

WATERS CORPORATION

A1.336

Waters Corporation provides a connected portfolio of separations and analytical science, mass spectrometry, and laboratory informatics, as well as thermal analysis products. The following products will be displayed at Analytica 2014: ACQUITY UPC² System, ACQUITY QDa Detector, novel microscale technology, PATROL UPLC Laboratory Analyzer, ACQUITY UPLC H-Class with QDa System for Method Development, ACQUITY APC System, analytical standards and reagents, certified materials, columns and sample prep products.

Waters
THE SCIENCE OF WHAT'S POSSIBLE.®

www.waters.com
brian_j_murphy@waters.com

WYATT TECHNOLOGY

A1.322

Wyatt is a world leader in light-scattering instrumentation and software for determining the absolute molar mass, size, charge, and interactions of macromolecules and nanoparticles in solution. The company offers instruments for: In line multi angle static light scattering (SEC-MALS), field-flow fractionation (FFF-MALS), composition gradients for interaction analysis (CG-MALS), high-throughput dynamic light scattering (DLS), high-sensitivity electrophoretic mobility (MP-PALS), differential refractometry, and differential viscosity.



www.wyatt.com
info@wyatt.com

YMC EUROPE

A1.508

YMC Europe offers a wide range of products for chromatographers including (U)HPLC columns, bulk media for preparative chromatography, and glass columns for MPLC and DAC-columns. Featured products are YMC-Triart hybrid columns with temperature and pH stability for method development. New additions to the YMC CHIRAL-family include YMC CHIRAL Amylose-C and YMC CHIRAL Cellulose-C available in 5 µm analytical and preparative HPLC columns and as preparative bulk media with 10 µm and 20 µm.



www.ymc.de
info@ymc.de