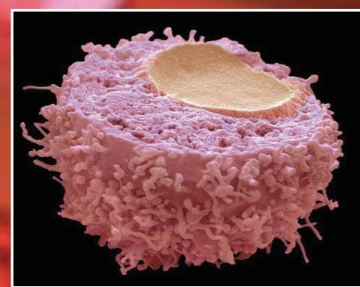


LabMedica

I N T E R N A T I O N A L

BUYER'S GUIDE 2013



VISIT **LINKXPRESS.COM**
READER SERVICE PORTAL

- ▶ Renew/Start your Free Subscription
- ▶ Access Interactive Digital Magazine
- ▶ Instant Online Product Information:

- 1 Identify *LinkXpress*® codes of interest as you read magazine
- 2 Click on *LinkXpress.com* to reach reader service portal
- 3 Mark code(s) of interest on *LinkXpress*® inquiry matrix

If your subscription is not renewed every 12 months your Free Subscription may be automatically discontinued



Scan with Smartphone to Access Latest News

Annual Review 2012

Year's Top 100 Clinical News

LabMedica

WORLD'S IN VITRO DIAGNOSTICS COMPANIES

300

SIEMENS

AG1DX-9252-A1-4A00. Product availability varies by country. Not available for sale in the U.S. © 2012 Siemens Healthcare Diagnostics Inc.

Test patients, not your patience.

With the CLINITEK Novus analyzer, Siemens answers the need for faster, more reliable urinalysis testing.

siemens.com/novus

Most would agree that urinalysis testing is labor intensive and time consuming. When labs are overworked, testing accuracy may be compromised. The CLINITEK Novus™ analyzer is changing that by addressing the relationship between the two.

Building on the technology of our CLINITEK Atlas® system, the CLINITEK Novus analyzer improves workflow with cassette-based test loading and increases throughput. A color touch screen features intuitive navigation along with customizable menu options. Plus, a new optical system enhances clinical accuracy. Faster throughput. Improved workflow. Optimal patient care. When labs are under pressure, the CLINITEK Novus analyzer is up to the test.

Take a self-guided tour at siemens.com/novus or contact your Siemens representative.

Performs Albumin-to-Creatinine ratio test. Detects intact red blood cells for enhanced sensitivity in identifying kidney disease.



Answers for life.

ELITech
CLINICAL SYSTEMS

SelectraPro Series

CLINICAL CHEMISTRY SYSTEMS



A striking
new concept in
bench top
analyzers



A HORSE
of a different color

NEW Software for: SelectraPro M / SelectraPro S

SELECTRA
TOUCH^{Pro}
software

- Introducing Innovative customer driven Selectra Touch Pro Software
- Complete integrated chemistry solution for today's laboratories
- Superior menu of ready-to-use liquid stable reagents

www.elitechgroup.com • info@elitechgroup.com

 **ELITechGroup**
SOLUTIONS
tailored to your needs

Annual Review 2013

Year's Top 100 Clinical Developments 6
 Year's Top 10 Industry News 24

LabMedica 300

Companies in Alphabetical Order 25
 Companies by Country 48

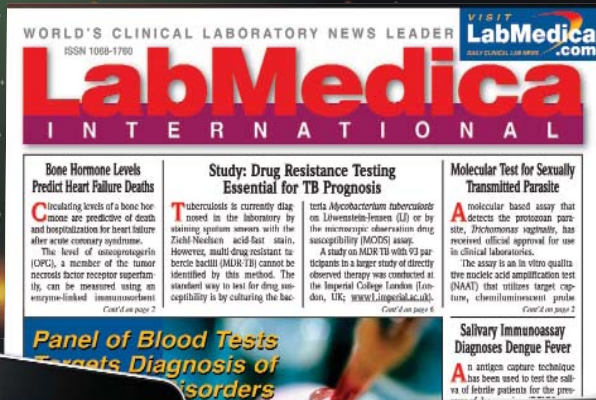
Although all material in this directory is compiled from sources believed reliable, Publisher cannot be held liable for any errors, omissions or inaccuracies. Inclusion in this directory, or lack of it, does not constitute any endorsement or expression of other opinion by Publisher with regard to companies, their products or services.

PREMIER MULTIMEDIA PLATFORM
 SERVING THE WORLDWIDE
 CLINICAL LABORATORY COMMUNITY

Anytime, Anywhere, On the Go...

PRINT MAGAZINE

INTERACTIVE
 DIGITAL EDITION



WEB PORTAL



NEW
 MOBILE
 VERSION



LABMEDICA.COM

EDITORIAL BOARD

- Rosa I. Sierra-Amor Mexico
- Robby Bacchus United Kingdom
- Edward J. Bottone United States
- Claus Christiansen Denmark
- Bernard Gouget France
- Jocelyn M. Hicks United States
- Anders Kallner Sweden
- Tadashi Kawai Japan
- John A. Koepke United States
- Christopher Price United Kingdom
- Andreas Rothstein Colombia
- Dmitry B. Saprygin Russia
- G rard Siest France
- Andrew Wootton United Kingdom

A GLOBETECH PUBLICATION

Published in cooperation with the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) and European Federation of Clinical Chemistry and Laboratory Medicine (EFCC).

Publishers of: *Hospimedica International* • *Hospimedica en Espa ol* • *Hospimedica China* • *Medical Imaging International* • *LabMedica International* • *LabMedica en Espa ol* • *LabMedica China* • *Bio Research International* • *Hospimedica.com* • *LabMedica.com* • *Medimaging.net* • *BiotechDaily.com*

- Dan Gueron Publisher
- Jill Roberge Editorial Director
- Jacqueline Miller, PhD News Director
- Raymond L Jacobson, PhD News Editor
- Jerry Slutzky, PhD News Editor
- Andreas Rothstein News Editor
- Marcela Jensen Assistant Editor
- Joseph Ciprut Assistant Editor
- Brenda Silva New Products Editor
- Paul Mills Regional Director
- Doris Mendieta Regional Director
- Renata Castro Regional Director
- Dr. Jutta Ciolek Regional Director
- Christina Chang Regional Director
- Arda Turac Production Director
- Elif Erkan Reader Service Manager

HOW TO CONTACT US

Subscriptions: www.LinkXpress.com
 Send Press Releases to: LMNews@globetech.net
 Advertising & Ad Material: ads@globetech.net
 Other Contacts: info@globetech.net

ADVERTISING SALES OFFICES

- USA P.O.Box 800806, Miami, FL 33280, USA
Doris.Mendieta@globetech.net Tel: (1) 954-893-0003
- GERMANY, SWITZ., AUSTRIA Bad Neustadt, Germany
Jutta.Ciolek@globetech.net Tel: (49) 9771-3528
- UK, FRANCE, NORDIC REG. Gerrards Cross, UK
Paul.Mills@globetech.net Tel: (44) 1753-892-791
- ITALY Genoa, Italy
Fabio.Potesta@globetech.net Tel: (39) 10-570-4948
- JAPAN Tokyo, Japan
Katsuhiko.Ishii@globetech.net Tel: (81) 3-5691-3335
- CHINA Shenzhen, Guangdong, China
Parker.Xu@globetech.net Tel: (86) 755-8375-3877
- ALL OTHER COUNTRIES Contact USA Office
ads@globetech.net Tel: (1) 954-893-0003

SUBSCRIPTION INFORMATION

LabMedica International is published eight times a year and is circulated worldwide (outside the USA and Canada) without charge and by written request, to clinical laboratory specialists and administrators, and other qualified professionals allied to the field.

To all others: Paid Subscription is available for a two-year subscription charge of US\$240. Single copy price is US\$20. Mail your paid subscription order accompanied with payment to Globetech Media, P.O.B. 802214, Miami, FL 33280-2214.

For change of address or questions on your subscription, write to: *LabMedica International*, Circulation Services at above address; or visit: www.LinkXpress.com



ISSN 1068-1760

Vol.29 No.8. Published, under license, by Globetech Media LLC; Copyright   2013. All rights reserved. Reproduction in any form is forbidden without express permission. Opinions expressed are solely those of the authors, and do not represent an endorsement, or lack thereof, by the Publisher of any products or services.

Teknopress Yayıncılık ve Ticaret Ltd.  ti. adına
 İmtiyaz Sahibi: M. Geren • Yazı iřleri M d r : Ersin K k l 
 M řir Derviş İbrahim Sok. 5/4, Esentepe, 34394  řli, İstanbul, T rkiye
 Faks: (212) 216-6997 • P. K. 1. AVPİM, 34001 İstanbul
 Baskı: Promat Web Ofset Tesisi • Sanayi Mahallesi 1673. Sokak
 No: 34 • 34510 Esenyurt, B.  ekmece • İstanbul, T rkiye
 Yerel s reli yayındır. Yılda sekiz kere yayınlanır,  cretsiz dađtırılır.

AutoLumo Optimize Your Immunoassays

Fully Automated Chemiluminescence Immunoassay System



- magnetic particles technology
- broad test menu & high throughput
- fully automated | random access
- continuous sample loading
- 24 reagents onboard
- automatic dilution
- quick & easy operation
- efficient maintenance
- user friendly software



LUmo microplate luminometer
sensitive • wide dynamic range • low crosstalk • fast • AUTOsoft included

PHOmo microplate reader
excellent linearity and repeatability • fast scanning optics • LED lightsource • AUTOsoft included

IWO microplate washer
• 8- or 12-way manifold
• up to 4 wash liquid lines
• small residual volume



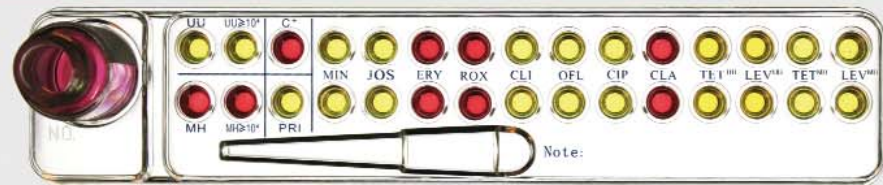
TORCH ELISA

- Anti-TOXO IgM | Anti-TOXO IgG
- Anti-Rubella IgM | Anti-Rubella IgG
- Anti-CMV IgM | Anti-CMV IgG
- Anti-HSV-1 IgM | Anti-HSV-1 IgG
- Anti-HSV-2 IgM | Anti-HSV-2 IgG

Thyroid kits CE-marked

T3, T4, TSH, fT3, fT4, Neo-TSH

Super sensitive TSH kit • Labeled Antibody for T3, fT3, fT4 efficiently avoids TBG interference



Mycoplasma IES CE-marked

Results in just 24 hours!

Test the susceptibility of 13 antibiotics from 5 categories
Excellent consistency of results

ARAB HEALTH 28-31 January 2013
Dubai International Convention & Exhibition Centre

23rd **ECCMID** Berlin, Germany
27-30 April 2013

EUROPEAN SOCIETY OF CLINICAL
MICROBIOLOGY AND INFECTIOUS DISEASES
AUTOBIO DIAGNOSTICS Visit us at Booth 725.

Autobio Diagnostics Co., Ltd.

meet us at: MEDICA | ARAB HEALTH | ECCMID | AACC ISO CERTIFIED IVD CE
www.autobio-diagnostics.com | www.autobio-labtec.com | info@autobio-diagnostics.com

For more information on news developments listed below, log on to www.LabMedica.com and type appropriate keyword(s) into search engine in order to access full story at news archive

JANUARY

Blood Test for Tuberculosis Less Reliable During Pregnancy

Interferon gamma release assays (IGRA) are used to detect *Mycobacterium tuberculosis* infections in pregnant women. The IGRA has replaced the traditional tuberculin skin test in some places as these assays are performed on blood samples in routine antenatal screening tests. Scientists studied the correlation between the skin test and the IGRA in detecting latent tuberculosis (TB). A Mantoux tuberculin skin test was performed after blood was taken for the QuantiFERON TB Gold In-Tube assay. Of the women tested, 23% had positive tuberculin skin tests and 14%

had positive IGRA results, for a 77.4% rate of agreement. There were no statistically significant predictors of discordant results. The study was published in the December 2011 issue of the journal *Obstetrics and Gynecology*.

Serum Adipokines Associated with Diabetic Risk Factors

Abnormal levels of adipokines, cytokines produced by the adipose tissue, in the serum may be cardiovascular risk factors for diabetic patients. The relationship of the serum profile of adipokines, such as leptin, adiponectin, resistin, and interleukin 6 (IL-6) has been evaluated with these risk factors for obese patients with diabetes mellitus type 2 (DM2). In a prospective study, obese patients with DM2 were

enrolled and their blood was analyzed. A complete biochemical, anthropometric, and nutritional evaluation was performed. In the November 2011 issue of *Journal of Clinical Laboratory Analysis*, the investigators concluded that the serum profile of adipokines is related to different cardiovascular risk factors and anthropometrical variables in obese patients with diabetes type 2.

Nonfasting Screening Tests Evaluated for Dysglycemia

The performance of nonfasting tests to screen children for dysglycemia, either prediabetic or diabetic, has been appraised. The screening tests included a random glucose test, fructosamine and the glycosylated hemoglobin test, HbA1c, following a formal glucose tolerance test (OGTT) performed on a previous visit. Scientists conducted a cross-sectional study of overweight or obese children aged 10-17 years. The results of the study showed that there were 99 (39%) cases of prediabetes and 3 (1.2%) cases of diabetes. Urine dipstick, HbA1c, and fructosamine displayed poor discrimination for identifying children with dysglycemia. Both random glucose and 1-h GCT had better levels of test discrimination than HbA1c or fructosamine. The study was published the December 2011 issue of the journal *Diabetes Care*.

Five-Marker Panel Helps Diagnose Lupus

A five-marker panel was designed to rule-in Systemic Lupus Erythematosus (SLE) and rule-out other rheumatic diseases to help establish an accurate SLE diagnosis. The Avise SLE panel from Exagen Diagnostics, Inc. (Albuquerque, NM, USA; www.Exagen.com) includes testing of antinuclear antibodies (ANA), anti-double-stranded DNA antibodies (dsDNA), antimutated citrullinated-vimentin antibodies (Avise MCV), EC4d, and BC4d. The cell-bound complements rule-in SLE because of their increased performance over soluble complements, which help to diagnose SLE accurately and consistently. ANA, dsDNA, and Anti-MCV are measured using enzyme-linked immunosorbent assay (ELISA) whereas EC4d and BC4d are measured using flow cytometry. A negative result for ANA helps rule-out the possibility of SLE. A positive result for dsDNA rules-in SLE. Avise MCV rules-out Rheumatoid Arthritis.

Reasons for Rejecting Blood Samples Analyzed

A determination has been made of the types of pre-analytical errors responsible for about 70% rejection of blood samples. Of the 77,051 blood samples that were collected during the three months period, 441 (0.57%) were rejected by some type of preanalytical error and therefore had to be recollected. A clot was found in 43.8% of disallowed samples and was found to be the major cause of rejection of samples, followed by 24% with insufficient sample volume. The third most frequent cause for rejecting samples were hemolyzed samples, which involved 17.9% of cases. Other reasons for rejection of samples were misidentification, inappropriate tube, lipemic samples, inadequate sample/additive ratio, and insignificant icteric samples. The study was published in January 2012 in the journal *Clinical Biochemistry*.

Mass Spectrometry Helps to Rapidly Detect Staph Infections

A laboratory test has been developed that can rapidly identify the bacterium responsible for *Staphylococcus aureus* infections. The test uses mass spectrometry to quantify the number of *S. aureus* organ-

LabUMat 2 & UriSed 2 Complete Urine Laboratory System

VISIT US AT:



- Automated Urine Chemistry- and Sediment Analyzer
- The two stand-alone analyzers can be integrated in one system
- Outstanding performance in test strip evaluation and particle recognition
- High accuracy, reproducibility, safety and productivity
- Cost-effective operation; no need for any liquid reagents
- Unique measurement technique automates traditional manual microscopy
- Whole field of view microscopic images of urine sediment

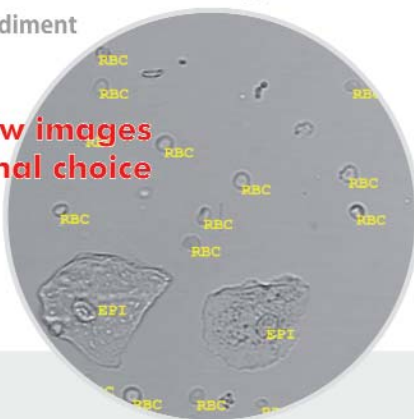
Whole field of view images
automatically: the professional choice



77 Elektronika Kft.

Fehérvári út 98. H-1116 Budapest, Hungary

Phone: +36-1-206-1480 Fax: +36-1-206-1481 E-mail: sales@e77.hu Web: www.e77.hu



Erba... your trusted partner

For Clinical Laboratory Diagnostics

Biochemistry



XL-640

Automated Random Access
 Clinical Chemistry Analyzer.
 640 Tests/hr

LINKXPRESS.COM - LMI-01-13 250



XL 200®

Automated Bench Top Random Access
 Clinical Chemistry Analyzer.
 200 tests/hr

LINKXPRESS.COM - LMI-01-13 251



CHEM TOUCH

State of the art Clinical Analyzer

LINKXPRESS.COM - LMI-01-13 252

Immunology



Mago 4

Automated 4 Plate
 Enzyme Immunoassay System

LINKXPRESS.COM - LMI-01-13 253



Erba LisaScan II®
 Microplate Reader

LINKXPRESS.COM - LMI-01-13 254



Erba LisaWash®
 Microplate Washer

LINKXPRESS.COM - LMI-01-13 255

Electrolyte



Erba Lyte®

Electrolyte Analyzer
 8 Different Models Available

LINKXPRESS.COM - LMI-01-13 256

Reagents



Complete Line of
 Ready to Use
 Clinical Chemistry Reagents

LINKXPRESS.COM - LMI-01-13 257



Wide range of
 Immunoassay Reagents

LINKXPRESS.COM - LMI-01-13 258

Urine Analysis



Uro-dipcheck® 240 e
 The Smart Choice for Urine Testing

LINKXPRESS.COM - LMI-01-13 259



Uro-dipcheck® 400 e
 Fast and Accurate Urine Analysis

LINKXPRESS.COM - LMI-01-13 260

Hematology



Hematology - Elite 3
 3-Part Differential Hematology analyzer

LINKXPRESS.COM - LMI-01-13 261



Hematology - Elite 5
 5-Part Differential Hematology analyzer

LINKXPRESS.COM - LMI-01-13 262

isms in a large number of samples in just a few hours, compared to a day or two for culturing techniques typically used to detect this bacterium. Developed by scientists from the Georgia Institute of Technology (Atlanta, GA, USA; www.gatech.edu) and the Centers for Disease Control and Prevention (CDC; Atlanta, GA, USA; www.cdc.gov), the new test takes advantage of unique isotopic labeling combined with specific bacteriophage amplification to rapidly identify *S.aureus*. Details of the method were published in the January 2012 issue of the journal *Molecular and Cellular Proteomics*.

Immunochromatogenic Test Detects *H. Pylori* in Fecal Samples

A rapid visual assay has been developed for the detection of *Helicobacter pylori* in fecal samples. Called Pyloritop Ag+, the assay is an immunochromatogenic test that provides clinical laboratories with a cost-effective method to help meet current guidelines for the detection and treatment of *H. pylori*. Released by Pro-Lab Diagnostics (Bromborough, United Kingdom; www.pro-lab.com), the new assay is based on robust lateral flow technology. Individually wrapped Pyloritop

Ag+ test cassettes are supplied with a sample collection tube for maximum convenience, and can be safely stored at room temperature for up to 12 months, providing a practical solution for *H. pylori* testing.

Blood Test Diagnoses Cause of Kidney Failure

Hemolytic uremic syndrome (HUS) is a potentially life-threatening condition and often occurs after gastrointestinal infection with *Escherichia coli* O157:H7, which produces Shiga toxins that cause hemolytic anemia, thrombocytopenia, and renal injury. Scientists discovered a biological pathway never before known to have played a role in the development of HUS. Specifically, they found that the toxin can increase the level of a chemokine, namely stromal cell-derived factor-1 (SDF-1), and its receptor, C-X-C chemokine receptor type 4 (CXCR4). Blood tests performed indicated that those who went on to develop HUS had as much as four times higher levels of the protein SDF-1, than those with *E. coli* who did not go on to develop HUS. The study was published on January 9, 2012, in the *Journal of Clinical Investigation*.

FEBRUARY

Urinary Antigen Assay Detects Legionella

An antigen test has been evaluated for its ability to diagnose Legionnaires' disease using urine samples. Laboratory diagnosis of *Legionella pneumophila* infections in patients with pneumonia is based on culture, serological testing, molecular testing, and detection of soluble *L. pneumophila* antigen in urine. Results for the SD Bioline Legionella Urinary Antigen test were compared with those obtained by the BinaxNOW Legionella Urinary Antigen enzyme immunoassay. The SD Bioline test was positive for 46/58 samples with sensitivity of the assay estimated as 79%. The BinaxNOW urinary antigen test was positive 47/58, with a sensitivity of 81%. Both tests were negative in the 38 samples from the non-*Legionella* patients giving a specificity of 100% for both assays. The study was published in the January 2012 edition of the *Journal of Infection*.

Blood Test Helps Identify Depressed Patients

A blood test that helps diagnose major depressive disorder (MDD) promises to become a useful clinical tool. The test, which analyzes levels of nine biomarkers, accurately distinguishes patients diagnosed with depression from control participants. There were no significant false-positive results. Developed by Ridge Diagnostics (Research Triangle Park, NC, USA; www.ridgedx.com), the test measures levels of biomarkers associated with factors such as inflammation, the development and maintenance of neurons, and the interaction between brain structures involved with stress response and other key functions. The measurements are combined to produce the MDDScore indicating the percentage likelihood that the individual has major depression. In clinical use, the MDDScore would range from 1 to 10. A report of the studies was published in the December 2011 journal *Molecular Psychiatry*.

IgM Autoantibodies Can Be Correlated in Cases of Atherosclerosis

Low levels of immunoglobulin-M (IgM) autoantibodies against lipid phosphorylcholine (PC) add prognostic information in acute coronary syndromes (ACS). Scientists analyzed blood samples from patients within 24 hours of admission. Serum IgM anti-PC titers were measured by an enzyme-linked immunosorbent assay (ELISA) using a prototype of the Athera CVDefine kit. The assay is based on PCs covalently linked to bovine serum albumin coated onto 96-well microtiter plates. The detection limit was 0.5 U/L and coefficients of variation were less than 7%. The results of the analysis showed that patients with low levels of anti-PC in connection with ACS and refractory, unstable angina run a greater risk of complications and premature death. The study was published online on February 3, 2012, in the *International Journal of Cardiology*.

Electrical Sensors Diagnose Viruses

A technique has been developed that could form the basis of a noninvasive diagnostic method for Adenovirus. The biosensor technology developed can detect the presence of the virus, and it can identify the individual strain and the number of virus particles present. Scientists fabricated novel immunosensors using polyclonal antibodies raised against a human Adenovirus (Ad5) capsid protein, which were selectively cleaved into antibody fragments by 2-mercaptoethylamine. They demonstrated that the immunosensor constructed shows high affinity to its Ad5 virus ligand, detectable by



Blood cell image analysis systems

- Workflow automation and standardization
- Automatic generation of blood cell gallery
- Identification and pre-classification of WBC, RBC and PLT
- Morphological analysis of WBC and RBC
- Quick validation of analysis results
- Reduction in the qualified personnel's workload
- Internet and network capabilities

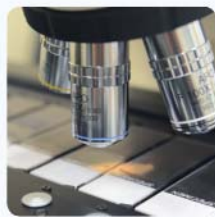


Vision Hema 1



Cost-effective solution for small-sized laboratories

Vision Hema 8



Optimal solution for small- and medium-sized laboratories

Vision Hema 200



Effective solution for large-sized laboratories

WEST MEDICA, Franz-Siegel-Gasse 1, 2380 Perchtoldsdorf, Austria
tel.: +43 (1) 804 81 84, fax: +43 (1) 804 81 85, vienna@westmedica.com

www.vision-at.com



HIT TESTING IN MINUTES.

THE ON-DEMAND SOLUTIONS THAT
SAVE MORE THAN TIME.



Now on ACL AcuStar® and ACL TOP® Hemostasis Testing Systems

FAST, ACCURATE HIT ANTIBODY DETECTION. Prompt detection of HIT antibodies optimizes therapeutic decisions. Only IL provides fully automated HIT assays on Hemostasis testing systems, ready-to-use, 24 hours/day, 7 days/week. This optimizes laboratory resources, replacing labor-intensive methods. Complete HIT testing solutions, now on both ACL TOP and ACL AcuStar systems.

For more information, please contact your local IL sales representative/distributor or visit www.ilww.com.

HemosIL® HIT Assays

HIT-Ab _(PF4-H) *
HIT-IgG _(PF4-H) **

* Not currently saleable in the U.S.
† Available only on ACL AcuStar.



IL is a company of Werfen Group.

LINKXPRESS.COM LMI-01-13 109

▶ HEMOSTASIS INNOVATION IS HERE.



Leading CLIA brand in China



CLIA
Since 1995

Shenzhen New Industries Biomedical Engineering Co., Ltd
www.snibe.com sales@snibe.com

POWER OF MAGLUMI

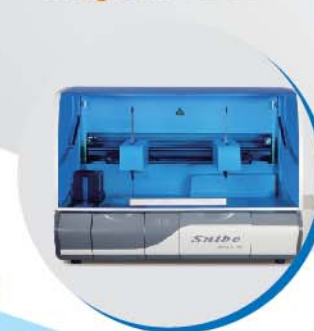
Maglumi 4000



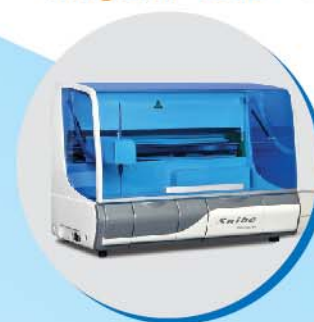
Maglumi 2000 Plus



Maglumi 2000



Maglumi 1000



Maglumi 600



Tumor Markers

Ferritin
AFP
CEA
Total PSA
f-PSA
CA 125
CA 15-3
CA 19-9
PAP
CA 50
CYFRA 21-1
CA 242
CA 72-4
NSE
S-100
TPA
PG I
PG II
SCCA

TORCH

Toxo IgG
Toxo IgM
Rubella IgG
Rubella IgM
CMV IgG
CMV IgM
HSV-1/2 IgG
HSV-2 IgG
HSV-1/2 IgM

Thyroid

TSH
T4
T3
FT4
FT3
TG
TGA
TRAb
TMA
Anti-TPO
Rev T3

Fertility

FSH
LH
HCG/ β -HCG
PRL
Estradiol
free Estriol
Progesterone
Testosterone
free Testosterone
PAPP-A

Others

GH
Cortisol
ACTH
DHEA-S

Prenatal Screening

AFP
free β -HCG
PAPP-A

Anemia

Vitamin B12
Ferritin
FA

Drug Monitoring

Cyclosporine A
Tacrolimus, FK 506
Digoxin

Kidney Function

β 2-MG
Albumin

Inflammation Monitoring

PCT
CRP

Cardiac

CK-MB
Troponin I
Myoglobin
NT-proBNP
Aldosterone
Angiotensin I
Angiotensin II
D-Dimer

Bone Metabolism

Intact PTH
Calcitonin
Osteocalcin
25-OH Vitamin D

EBV

EBV EA IgG
EBV EA IgA
EBV VCA IgG
EBV VCA IgM
EBV VCA IgA
EBV NA IgG

Infectious

HBsAg
HBsAb IgG
HBeAg
HBeAb IgG
HBcAb IgG
HCV IgG
*HIV
*Syphilis

Glyco Metabolism

C-Peptide
Insulin
IGF-I
ICA
IAA
Proinsulin
GAD 65

Hepatic Fibrosis

HA
P III P N-P
C IV
Laminin
Cholyglycine

electrochemical impedance spectroscopy over a broad range of concentrations from 10 to 1,012 virus particles/mL. The study was published on February 15, 2012, in the journal *Biosensors and Bioelectronics*.

Novel miRNA Assay Assesses Pancreatic Masses

A microRNA (miRNA) test aids physicians in the diagnosis and management of pancreatic ductal adenocarcinoma (PDAC) when cytology is inconclusive. The test analyzes the expression levels of small, regulatory fine needle aspirate (FNA) molecules known as miRNAs. An algorithm calculates a score between 0 and 1 by measuring the expression levels of seven miRNAs, and this determines whether PDAC has been identified. The Asuragen, Inc. (Austin, TX, USA; www.asuragen.com) miRNA assay, called the miRInform pancreas test, is available in the company's College of American Pathologists (CAP)-accredited Clinical Laboratory Improvement Amendments (CLIA) laboratory. miRInform pancreas is performed on FNA biopsies of solid lesions of PDAC patients.

Peripheral Blood Smear Confirms Leishmaniasis

A peripheral buffy coat blood smears are a minimally invasive technique to diagnose the presence of the causative agents of visceral leishmaniasis (VL). From patients in a prospective study, two good-quality smears prepared from buffy coat and stained with Leishman stain were examined under an oil immersion light microscope. The results of the study showed that 92%, 95.5%, and 100% of VL patients were positive by buffy coat microscopy, buffy coat PCR, and spleen smear microscopy, respectively. *Leishmania amastigotes* were found by buffy coat microscopy in 93.5% of those positive by buffy coat PCR and in 92.4% of those positive for *Leishmania amastigotes* by spleen smear microscopy. The study was published in March 2012 in the *Journal of Clinical Microbiology*.

Molecular Test Screens for Drug Resistant Bacteria

A laboratory-developed test, known as Lab Assay, combining enrichment broth and real-time polymerase chain reaction (rt-PCR) was developed specifically for the detection of vancomycin-resistant enterococci (VRE). Microbiologists investigated swabs sent to the laboratory for VRE screening in parallel by Lab Assay and the Roche LightCycler VRE kit. Two proven stains of *Enterococcus faecium* and 52 well-characterized clinical VRE isolates of different clones were tested in the study. Real-time PCR was performed for the detection of VanA and VanB genes. The diagnostic values for Lab Assay were as follows: 100% sensitivity, 79.92% specificity, 1.94% positive predictive value, and 100% negative predictive value, which were comparable to the results from the LightCycler kit-based assay. The study was published in March 2012 in the *European Journal of Clinical Microbiology & Infectious Diseases*.

Identifying Patients Treated with Tysabri at Risk for PML

The risk for a rare brain infection called progressive multifocal leukoencephalopathy (PML) occurs in people using the drug Tysabri (natalizumab) to treat multiple sclerosis (MS) or Crohn's disease (CD). The Stratify JCV antibody enzyme-linked immunosorbent assay (ELISA), when used with other clinical data from the patient, can help health care providers determine the risk of developing PML in MS and CD patients. This test, in conjunction with other factors, will enable physicians and patients to assess carefully the risks and benefits of continuing Tysabri treatment. The Stratify JCV antibody ELISA test is manufactured by Focus Diagnostics (Cypress, CA, USA; www.focusdx.com).

6 New Assays Added to Specialist Protein Analyzer

Six automated assays were added to a specialist protein analyzer. They provide quantitative results to aid the assessment of a patient's immune system. The assays include four cerebrospinal fluid (CSF) assays: immunoglobulin G (IgG), IgA, IgM, and albumin. Complement 1 (C1) inactivator in plasma and serum for the investigation of hereditary angioedema and transferrin in serum for estimation of iron deficiency anemia were also added to the analyzer menu. Binding Site's (Birmingham, United Kingdom; www.binding-site.co.uk) SPAPlus specialist protein analyzer was designed to bring together instrument, reagents, and support as a package. A compact, turbidimetric platform, the fully automated SPAPLUS system enables laboratories to maintain the quality of results and high throughput required for specialized protein assays.

MARCH

Immunoassay Assessed for Diagnosis of Norovirus Gastroenteritis

An immunochromatographic test is based on reverse transcription-polymerase chain reaction (RT-PCR) and the sensitive RT-nested PCR and was compared with another commercial real-time RT-PCR for detection of *Norovirus* in stool samples. The samples were tested for noroviruses using the commercial immunochromatographic test RIDA QUICK *Norovirus*, which uses the biotin-streptavidin-peroxidase method. The Scientists concluded that the RIDA QUICK *Norovirus* assay is appropriate to use for early diagnosis of acute gastroenteritis caused by noroviruses and for rapid screening of *Norovirus* infections in patients with acute gastroenteritis where the RT-PCR method has not been established for routine diagnosis. However, negative results where *Norovirus* is strongly suspected should be further tested by more sensitive molecular techniques. The study was published online on February 23, 2012, in the *European Journal of Clinical Microbiology & Infectious Diseases*.

Blood Test Predicts Sickle Cell Severity

Scientists at Massachusetts Institute of Technology (MIT; Cambridge, MA, USA; web.mit.edu) and others have developed a microfluidic system to measure changes in sickle cell blood flow after deoxygenation. The system included a microfluidic device with a capillary-sized channel that was diffusively coupled to a gas reservoir. This system allowed control over parameters that mimic physiological conditions during vaso-occlusion. Blood samples from patients with more benign disease showed a significantly slower decrease in the conductance after deoxygenation. The authors concluded that the strong correlation between blood rheodynamics and the clinical outcomes in the study population could possibly provide a tool for patient monitoring and clinical decision-making in sickle cell disease. The study was published on February 29, 2012, in the journal *Science Translational Medicine*.

Immunoassays for Human Saliva Need Validation

Commercial enzyme-linked immunosorbent assays (ELISAs) have proven to be a powerful tool for fast and reliable sample analysis, however few ELISAs have been validated for use with saliva, or their validation is often incomplete. Scientists analyzed saliva and gingival crevicular fluid collected from healthy volunteers and validated commercially available assays for 13 common biomarkers of inflammation and bone resorption. They

concluded that most ELISAs are suitable for analysis of saliva samples, even if this is not specifically recommended by the manufacturer. However, they believe that an independent validation of assays for saliva samples is important, as they have highlighted a number of cases in which validation and quality control analysis for some assays yielded questionable results when using saliva. The study was published in the March 2012 issue of the *Journal of Immunological Methods*.

Molecular Techniques Compared for Diagnosis of Rickettsioses

The diagnosis and isolation of *Rickettsia* species from skin biopsies may be replaced by a real time polymerase chain reaction (rt-PCR). Scientists analyzed punch biopsies or scalpel incisions of eschars collected from patients with suspected rickettsial infections. *Rickettsia* species infection was diagnosed in 32% skin biopsies from patients with suspected rickettsiosis. By rt-PCR, a positive result was obtained for 28.8% skin biopsies. *Rickettsia africae* was the most common detected species. The study was published on March 6, 2012, in the journal *Public Library of Science Neglected Tropical Diseases*. The author concluded that for the diagnosis of *Rickettsia* infection the use of molecular and culture diagnostic tools, decreases the time of diagnosis and increases the sensitivity. However, a negative result using molecular assays does not exclude the diagnosis of *Rickettsia* infection.

Leukemia Patients' Prognoses Predicted with Genetic Profiling

A set of genetic abnormalities have been identified in individuals with acute myelogenous leukemia (AML). Oncologists examined blood or bone marrow samples from individuals with AML who took part in a clinical trial. The aim was to determine whether increasing the standard dose of chemotherapy would improve survival for individuals with AML under the age of 60. The scientists examined the samples for mutations, or abnormalities, within 18 genes known to have variations in individuals with AML for the relationship between the mutations present in each participant and how well they coped. With this analysis, they were able to determine specific risk levels for a range of gene-mutation combinations. The study was published on March 14, 2012, in the *New England Journal of Medicine (NEJM)*.

Molecular Assays Evaluated for Influenza in Blood Donors

Sensitive molecular assays have been used to screen blood donors for the presence of influenza viremia via ribonucleic acid (RNA) testing. The authors of the study published on March 15, 2012, in the *Journal of Infectious Diseases* reported that they failed to detect influenza A viremia using very sensitive tests in blood samples from donors collected during periods of high influenza transmission in the community, with the majority of the tested donors reporting symptoms of influenza-like illness. The preponderance of evidence from this and other studies thus suggests that influenza viremia is at most an exceedingly rare event in blood donors, who are healthy at the time of donation, and that influenza viremia only occurs in subjects with moderate to severe disease.

Biomolecular System Launched for Protein Quantitation

A system for rapid, simplified protein quantitation has been introduced that enables infrared-based measurement of amide bonds in protein chains. The Direct Detect system employs a hydrophilic polytetrafluoroethylene (PTFE) membrane designed to be transparent in

STA Compact Max

Visit us at

MEDLAB
Stand RJ59



Max
Reliability



Max
Innovation



Max
Performance



Max
Efficiency



Innovation born from Expertise

STA Compact Max[®] is the **new generation** of analyser developed by the Coagulation company to meet labs' expectations.

Ask for the new design of expertise!


Stago
At the Heart of Haemostasis

Diagnostica Stago S.A.S.
RCS Nanterre B305 151 409
9, rue des Frères Chausson
92600 Asnières sur Seine (France)
Ph. +33 (0)1 46 88 20 20
Fax: +33 (0)1 47 91 08 91
webmaster@stago.com
www.stago.com

most of the infrared spectral region and enables application of biomolecular solutions directly onto the membrane. The system relies on infrared-based detection of biomolecules, so that the users can obtain accurate and reproducible protein quantitation in the presence of reducing agents and detergents. As a result, the Direct Detect (EMD Millipore; Billerica, MA, USA; www.emd.us) system can measure protein concentrations from 0.2 mg/mL to 5 mg/mL within seconds, without any bio- or immunochemical staining, directly from samples, including buffered solutions.

Blood Test Predicts Impending Heart Attack

A blood test was devised that identifies specific cells that flake off when the blood vessel walls weaken and signal the initial stages of acute myocardial infarction (MI). Scientists at Scripps Translational Science Institute (La Jolla, CA, USA, www.scripps.org) enrolled patients who presented to the emergency room with ST-segment elevation MI (STEMI) and had blood drawn for circulating endothelial cells (CECs) characterization. The CEC blood levels among those who had had a heart attack were over four times higher when compared to those in the healthy control group. In addition, the patients' CECs had changed: they had either become larger, misshapen, and/or many had multiple nuclei. The study was published on March 21, 2012, in the journal *Science Translational Medicine*.

Lung Biopsies Reduced by Panel of Serum Biomarkers

A panel of serum biomarkers could help predict the level of lung cancer risk in high-risk patients, offering physicians an option before proceeding with a biopsy. A multicenter team identified a panel of 10 serum biomarkers including prolactin, transthyretin, thrombospondin-1, E-selectin, C-C motif chemokine 5, macrophage migration inhibitory factor, plasminogen activator inhibitor, receptor tyrosine-protein kinase, cytokeratin fragment 21.1, and serum amyloid A, which distinguished lung cancer patients from controls. The authors concluded that although the biomarker model they described could not detect every lung cancer, it offers a significant clinical improvement over computed tomography (CT) imaging alone. The study was published in the April 2012 issue of the *Journal of Thoracic Oncology*.

APRIL

Novel Biomarker Facilitates Diagnosis of Alzheimer's Disease

A method has been developed to measure aggregated beta-amyloid in cerebrospinal fluid that may well facilitate diagnosis and detection of Alzheimer's disease (AD). Scientists used a novel method to quantify soluble variants of aggregated beta-amyloid (A β oligomers) in cerebrospinal fluid by flow cytometry. They analyzed the cerebrospinal fluid of neurological patients, including Alzheimer's patients. They found that patients had a more pronounced disease when they had greater number of A β oligomers in the cerebrospinal fluid. Conversely, a decline in the number of A β oligomers in cerebrospinal fluids could be a hint for the effectiveness of new drug therapies. The study was published in the March 2012, issue of *Journal of Alzheimer's Disease*.

Complimentary Reflex Test Determines Drug Resistance in Trichomoniasis

A drug resistance-reflex assay for *Trichomonas vaginalis* is currently only available from commercial laboratories but will be performed at no additional

charge when *T. vaginalis* is detected in a patient's specimen. This new assay will provide another tool for clinicians to make appropriate decisions pertaining to treatment regimens to achieve an effective cure for *T. vaginalis*, a flagellated protozoan parasite. The reflex test can now detect metronidazole resistance in a subset of *T. vaginalis* positive specimens by real-time polymerase chain reaction (rt-PCR). The new assay detects a *T. vaginalis* gene mutation highly associated with metronidazole resistance with a 91% positive predictive value (PPV). The assay was developed by Medical Diagnostic Laboratories, (Hamilton, NJ, USA; www.mdlab.com).

New Diagnostic Hepatitis C Assay Extends Effectiveness of Serology Panel

A serological assay for hepatitis C (HCV) provides 100% sensitivity, leading to early detection of infection and patient-oriented decision-making. Clinical diagnosis of HCV is difficult largely due to the high rate of asymptomatic infections, making improved screening assays of major importance. The generation Elecsys anti-HCV II assay, developed by Roche (Basel, Switzerland; www.roche.com), has been added to the Roche serology panel, which includes assays for Hepatitis A, Hepatitis B, Hepatitis C, HIV, TORCH, Herpes, Syphilis, and other infectious diseases. Elecsys anti-HCV II provides 100% clinical sensitivity for all known genotypes. The assay can play an effective role in strategies for addressing public health concern as it is used to demonstrate the presence of antibodies against HCV during acute and chronic stages of disease, and after a passed infection.

Noninvasive Stool Test Biased by Patient's Age

A DNA methylation test for colorectal cancer (CRC) is influenced by the clinical variable age and not by drug choice or other variables. Stool assays of carefully selected methylated gene-marker candidates yield high-detection rates of both CRC and large adenomas, as aberrantly methylated genes represent attractive and broadly informative markers for these forms of malignancy. The only patient characteristic that significantly influenced all methylated marker levels in stool was age. Standardized relative change was greatest with Tissue Factor Pathway Inhibitor 2 gene at +91.3, least with Bone Morphogenetic Protein 3 gene at +29.7, and intermediate with vimentin at +46.0 and N-Myc Downstream-Regulated gene 4 at +45.1. The study was presented at the American Association for Cancer Research (www.aacr.org) Annual Meeting, held March 31 - April 4, 2012, in Chicago (IL, USA).

Urinary Test Score Unchanged by Chronic Prostatitis

The influence of chronic prostatitis on the potential new biomarkers of prostate cancer (PCa) found in male urinary samples have been determined. The authors of the study, which was published in the April 2012 edition of the journal *Prostate* concluded that prostate massage included within the Meares-Stamey four-glass localization test allows informative samples for urinary Prostate cancer gene 3 (PCA3) test. The PCA3 score was found to be negative with less than the usual cutoff of 35, in all tested patients, suggesting that PCA3 test can be used as a valuable tool in patients with raised PSA and suspicion of chronic prostatitis to distinguish those patients who will really benefit from prostate biopsy.

Method Detects Hypervirulent Bacterial Strains

The discovery of hypervirulent *Salmonella* bacteria has given doctors the means to potentially prevent food poisoning outbreaks from these particularly potent

strains. A team of scientists examined human clinical *Salmonella* isolates obtained from fecal and blood samples derived from patients with gastroenteritis or bacteremia, respectively; and animal isolates derived from different outbreaks, individual cases, or surveillance submissions to diagnostic laboratories. The results of the study indicated that the 14 hyperinfectious *Salmonella* strains were considerably more virulent than other animal-passaged clinical isolates and the display of increased virulence traits by bacterial strains after murine passage does not necessarily equate to hypervirulence. The study was published online in April 2012 in the journal *Public Library of Science Pathogens*.

Next Generation Digital PCR System Launched

The system, which is designed for advanced standards in sensitivity, multiplexing, and absolute quantitation in polymerase chain reaction (PCR) analysis, is capable of generating more than a billion reactions in a single day, and transforms the performance of molecular assays by enabling digital answers across a number of applications. Based on RainStorm picodroplet technology, the RainDrop System generates up to 10 million picoliter-sized droplets per lane. The RainDrop System (RainDance Technologies; Lexington MA, USA; www.raindancetechnologies.com) also shifts the current digital PCR (dPCR) paradigm from a single-color-per-marker approach to a two color and varying probe intensity method that is capable of multiplexing up to 10 markers. It will be particularly useful for detecting low-frequency tumor alleles, gene expressions, copy number variations, and single-nucleotide polymorphism (SNP) measurements.

Nonsurgical Test Developed for Brain Cancer

Specific microribonucleic acids (miRNAs) that are present in cerebrospinal fluid (CSF) can serve as biomarkers for particular brain malignancies and disease activity. Scientists studied patients with different types of brain cancers and showed that miRNA profiling of CSF can be used to determine the presence of glioblastomas. In the study published on April 4, 2012, in the journal *Neuro-Oncology*, the investigators concluded that are several advantages of using miRNAs as biomarkers for brain cancer compared with other biomarkers. MiRNAs are highly stable, and their detection by qRT-PCR is quantitative, extremely sensitive, requiring only nanograms of starting RNA material, highly specific, and reproducible. The same process can be used to detect the presence of cancer that started in another part of the body and spread to the brain.

MAY

Bartonella Infection Linked with Rheumatoid Illnesses

A bacterium associated with cat scratch fever and transmitted predominately by fleas may also play a role in human rheumatoid illnesses. Antibody assays and polymerase chain reaction tests (PCR) were used to identify *Bartonella* species in patients suffering from rheumatoid diseases. From such patients examined by a rheumatologist blood samples were taken and analyzed by immunofluorescence antibody assay (IFA). Each sample was tested by PCR amplification of *Bartonella* species DNA. Sixty-two percent had *Bartonella* antibodies, which supported prior exposure to these bacteria. Bacterial DNA was found in 41% of patient samples, allowing investigators to narrow the species of *Bartonella* present, with *B. henselae*, *B. koehlerae*, and *B. vinsonii* subsp. *berkhoffii* the most prevalent. The study was published online in the May 2012 issue of the journal *Emerging Infectious Diseases*.

Immunosignaturing Provides Accurate Diagnoses

A technique known as immunosignaturing harnesses the human immune system as an early warning system, which is acutely sensitive to changes in the body that may be indicative of disease. These immunosignatures are not only strong indicators of presymptomatic illness but also those samples from serum, plasma, saliva and dried blood can yield reliable and highly stable diagnostic results under a variety of conditions. In a study published in the March 2012 issue of the journal *Clinical and Vaccine Immunology*, a team of scientists report on the immunosignaturing technique that uses random sequence arrays of peptides to trawl for antibodies to disease. They demonstrated that a glass slide containing an array of some 10,000 such random sequences can be used to screen the body's full complement of antibodies.

Simple Blood Test Identifies Cancer from Asbestos

A small protein molecule has been identified that is more prevalent in the blood of people with mesothelioma than in healthy people. Scientists working on asbestos cancer at Concord Hospital (Sydney, Australia; www.adri.org.au) studied patients with pleural mesothelioma to explore whether micro ribonucleic acids (microRNAs) could serve as markers for the cancer. They identified 17 microRNAs that appeared in significantly different levels in the blood of healthy patients and mesothelioma patients. They found that the levels of a particular microRNA, identified as miR-625-3p, were four-fold higher in the blood of mesothelioma patients. The study was presented at the 3rd European Lung Cancer Conference held April 18-21, 2012 in Geneva (Switzerland).

Simple Sedimentation Technique Diagnoses Intestinal Parasites

The sedimentation technique for intestinal parasites is applicable for poor healthcare settings and under fieldwork conditions. The advantages of the spontaneous sedimentation technique in tube (SSTT) are its ability to detect the majority of intestinal parasites, including eggs, larvae, cysts, and trophozoites, its USD 0.03 cost, and its simplicity of use in poor healthcare settings. The initial technique uses a 50 mL shaped plastic tube and surgical gauze to filter the homogenized stools of patients infected by intestinal parasites. The authors concluded that the potential of the SSTT as a diagnostic tool for intestinal parasites in endemic areas is promising, but further studies are required. The study was published online on April 10, 2012, in the *International Journal of Infectious Diseases*.

Stable Isotope Labeling Detects Mutated Viral Strains

A bank of molecular signatures has been constructed that will help identify the severity of virus infection from characteristic changes seen in cells. Changes in lung cells infected with swine flu from the 2009 outbreak compared with seasonal flu have been investigated using a technique called stable isotope labeling by amino acids in cell culture (SILAC) to measure and compare thousands of different proteins in a sample. A team used the SILAC alongside mass spectrometry to identify the proteins most affected by viral infection and used these as molecular signatures to provide the "barcode" of disease. The study revealed how several processes in the cell were affected by the virus, with most changes seen in proteins involved in cell replication. The study was published on May 14, 2012, in the journal *Proteomics*.

Urine Dipstick Accurately Predicts Renal Failure

The presence of excess protein in a common urine test is an effective prognostic marker of acute renal failure in patients with severe sepsis. Scientists analyzed data from sepsis patients with no previous history of protein in the urine. After a urine sample was taken, a specially treated chemical strip was placed into the sample. The presence of white blood cells, protein, or glucose in the urine is indicated by patches on the dipstick, which change color. They found that the urine dipstick test predicted the presence of renal failure in 55% of these patients. The results of the study were presented at the National Kidney Foundation's annual meeting, May 9-13, 2012, held in Washington DC (USA; www.kidney.org).

Liquid Control System Simplifies Urine Chemistry Testing

A liquid urine control includes fully assayed target values for 18 commonly performed urine chemistry tests including microalbumin and the hormone human chorionic gonadotropin (hCG), and enables consolida-

tion and cost savings. The Acusera liquid urine control is manufactured by Randox (Crumlin, United Kingdom; www.randox.com) from 100% human urine, not only providing a matrix similar to the patient sample but also reducing antibody interference and the possibility of control values shifting after the reagent batch is changed. A 10 mL vial size and an open vial stability of 30 days at 2-8 °C for all parameters ensure that both waste and costs are kept to a minimum.

Interferon-Gamma Release Assays Preferred for Latent TB

Interferon-gamma release assays (IGRAs) are significantly better than tuberculin skin tests (TST) at predicting progression from latent tuberculosis (TB). Scientists carried out a meta-analysis to qualitatively evaluate the positive predictive value (PPV) and negative predictive value (NPV) for progression of commercial and "in-house" IGRAs and the TST for persons not receiving preventive treatment. The authors concluded that progression rates for commercial IGRA blood tests are remarkably higher than those for the TST, but remain low in absolute numbers. The data suggests that IGRAs provide significant benefits over the TST, but that

R-Biopharm AG

r-biopharm



Are You Ready to Screen Your Patients for MRSA?

MRSA Management by RIDA® GENE MRSA Multiplex Real-time PCR

- Detects the *mecC* (*mecA_{LGA251}*) gene
- Simultaneous detection of 3 MRSA-genes minimizes false positive results (*mecA* drop outs)
- Compatible with commonly used qPCR instruments

Visit us at

 MEDLAB
 Stand RG18

R-Biopharm AG • An der neuen Bergstraße 17 • 64297 Darmstadt, Germany • www.r-biopharm.com

the use of IGRAs, and testing for LTBI in general, should be targeted at high-risk groups. The study was published online on April 5, 2012, in the journal *Chest*.

Single Test Detects All Existing Strains of H5N1

An advanced kit enables the rapid detection of all existing strains of H5N1 viruses in a single test with almost 100% accuracy. The H5N1 real-time Reverse Transcription Polymerase Chain Reaction (RT-PCR) assay is the only detection kit currently available on the market that can accurately and rapidly detect all known strains of the H5N1 avian *Influenza A virus*. Codeveloped by Dr. Masafumi Inoue, a senior research scientist and project director of technology development from the Experimental Therapeutics Centre (ETC) under the Agency for Science and Technology Research (A*STAR; Singapore; www.etc.a-star.edu.sg) and Dr. Timothy Barkham, a senior consultant of Laboratory Medicine from Tan Tock Seng Hospital (TTSH; Singapore; www.ttsh.com.sg), the newly launched H5N1 test kit has been clinically validated by several hospitals in Southeast Asia.

JUNE

Antigen Test Designed for Point-of-Care Detection

An antigen-detection test shows efficacy in rapidly identifying a variety of respiratory viruses at the point of care in a pediatric setting. The automated, MultiAnalyte system, is capable of detecting from a single nasopharyngeal swab specimen eight respiratory viruses. Scientists evaluated the technology's efficacy in a pediatric emergency setting. Results with the MariPOC (ArcDia; Turku, Finland; www.arcdia.fi) test showed sensitivities and specificities for viral detection as follows: for the children with RSV, 83% and 99%, with influenza B, 85% and 96%, with influenza A, 50% and 99%, with adenovirus, 25% and 97%, with *Metapneumovirus*, 50% and 100%. The study was presented on May 10, 2012, at the European Society for Pediatric Infectious Diseases (ESPID) 30th Annual Meeting, held in Thessalonica (Greece).

Biomarkers Discovered for Bowel Cancer Blood Test

Genes have been discovered that show identifiable changes in the blood of people with bowel cancer and has the potential to be used in a blood test. The test is the result of collaboration between the biotechnology company Clinical Genomics (North Ryde, NSW, Australia; www.clinicalgenomics.com) and Flinders University (Adelaide, SA, Australia; www.flinders.edu.au). One new gene identified was particularly sensitive to cancer. This gene is called *colon adenocarcinoma hypermethylated* or CAHM. In 120 blood samples observed, a high 68% positivity for cancers, while still being accurate in 97% of normal patients. The scientists have also shown that a three-gene test including CAHM was able to detect cancer 76% of the time with 93% accuracy in normal patients.

Identification of Abnormal Oocyte Should Improve IVF Success Rates

Scientists have identified the chromosomal make-up of a human egg, a discovery that should avoid using abnormal eggs during infertility treatments, and pick eggs healthy enough for a successful in vitro fertilization (IVF) cycle. Oocytes are surrounded by cumulus cells, which regulate and assist the process of egg maturation. In the study published in the May 2012 issue of the journal *Human Reproduction*, scientists studied genes expressed in the cumulus cells. They were able to iden-

tify a set of genes that are less active in cells that are associated with abnormal eggs. They characterized two genes—SPSB2 and TP5313—and found that the expression of these genes was consistently underrepresented in cumulus cells that surrounded abnormal eggs.

Glucose Levels May Predict Pneumonia Death Risk

Non-diabetic patients who have high blood glucose on admission for community-acquired pneumonia (CAP) are at significantly elevated risk for death and may benefit from intensified care. At the University Hospital of Saarland (Homburg, Germany; www.uniklinikum-saarland.de) scientists carried out a prospective multicenter study on 6,891 patients from 12 clinical centers. Higher serum glucose levels were associated with increased mortality in all patients. The authors concluded that patients with increased serum glucose levels or diabetes at the time of CAP was diagnosed were at significantly increased risk of death from the disease. Oral glucose tolerance test and close glucose monitoring after discharge are necessary to diagnose overt diabetes and to prevent subacute or long-term complications. The study was published on May 29, 2012, in the *British Medical Journal (BMJ)*.

Liquid Stable Kit Determines Homocysteine in Serum and Plasma

A liquid stable homocysteine kit provides a convenient and accurate method for the determination of homocysteine in human serum and plasma. The Randox (Crumlin, United Kingdom; www.randox.com) kit can aid in the diagnosis of both elevated and depleted levels of homocysteine and the diverse range of potential health problems associated with these. The kit has liquid ready-to-use reagents requiring no preparation, and good on-board stability of 28 days minimizes reagent waste. The measuring range of 1.74 $\mu\text{mol/L}$ to 47.9 $\mu\text{mol/L}$, allows both normal and abnormal values to be accurately measured. There is limited interference from bilirubin, hemoglobin, intralipids, and triglycerides, enabling optimum performance and the generation of precise, reliable results. A correlation coefficient of 0.98 was obtained against another commercially available kit.

Urine Test Detects Changes in Bone Mineral Balance

A technique has been introduced that is more sensitive in detecting bone loss than the X-ray method used today, and with less risk to patients. The technique makes use of a fact that different isotopes of a chemical element can react at slightly different rates. When bones form, the lighter isotopes of calcium enter bone a little faster than the heavier isotopes. That difference, called isotope fractionation, is the key. Analysis of the subjects' urine samples revealed that the technique can detect bone loss after as little as one week of bed rest, long before changes in bone density are detectable by dual-energy X-ray absorptiometry (DEXA). The study was published on May 31, 2012, in the *Proceedings of the National Academy of Science of the United States (PNAS)*.

Neutrophil Cell Population Indicates Postsurgical Infection

The modern hematology analyzer can determine white blood cell counts (WBC) with differentials and determine their intrinsic biophysical properties, known as cell population data (CPD). Hematologists at the Nantong University (China; www.ntu.edu.cn) investigated the clinical usefulness of mean neutrophil volume (MNV) and neutrophil volume distribution width

(NDW) to differentiate postoperative infection. There were no significant differences in MNV and NDW observed before surgery between infected and uninfected patients when compared with controls. The MNV and NDW in infected patients were significantly increased after surgery when compared with uninfected patients. The authors concluded that the parameters generated during automated differential analysis, without additional specimen requirements, are quantitative, more objective, and more accurate than manual differential counts. The study was published in the June 2012 issue of the *International Journal of Laboratory Hematology*.

Diabetic Blood Tests Affected by Elevated Liver Enzymes

Measurement of glycated hemoglobin (HbA1c) has several advantages over glucose, but there are also potential disadvantages, with falsely low results in patients with increased liver enzyme concentrations in general, but also in severe liver disease and liver failure. Clinical biochemists at the Odense University Hospital (Denmark; www.ouh.dk) investigated the correlation between HbA1c and venous fasting plasma glucose. In the study published on May 16, 2012, in the journal *Diabetic Medicine*, the authors concluded that the study strongly indicates that increased liver enzyme concentrations in general do not bias the correlation between glycated hemoglobin and fasting plasma glucose. However, men with increased concentrations of both liver enzymes do have a slightly decreased HbA1c, and, if the clinical suspicion is strong enough, one should consider supplementary testing.

Image Analysis Algorithms Integrated into Digital Pathology Solution

A range of image analysis algorithms provides solutions to many diverse tissue-based quantification applications. Indica Labs (Albuquerque, NM, USA; <http://indicalab.com>) image analysis algorithms for molecular assay and morphological feature detection and quantification in whole slide images, coupled with Leica Microsystems (Wetzlar, Germany; www.leicamicrosystems.com) Tissue image analysis (IA), provides a solution for complex image analysis problems in digital pathology. Leica Microsystems Tissue IA software is a key component of the total digital pathology portfolio and enables the analysis of whole slide images. The Indica Labs range, including algorithms for neurobiology, toxicological pathology, and brightfield in situ hybridization (ISH), can now be integrated with Leica's Tissue IA, providing a powerful solution for a broad range of targeted applications.

JULY

Real-Time Thermocycler Offers More Flexibility

A real-time polymerase chain-reaction system has been designed with open architecture and chemistry format. The system, called the PrimeQ, gives users the freedom to choose their preferred chemistry, consumables, and data analysis methods using intercalating dyes or probes, and it provides a wide dynamic range and high sensitivity for absolute and relative quantification. The Techne Prime Q (Bibby Scientific Limited; Stone, UK; www.techne.com) has been designed with a single white light-emitting diode (LED) light source, a photomultiplier tube (PMT) detector providing raw data for analysis and a scanning mechanism allowing both partial and full plate reads. The five paired excitation and emission filters covers the wavelengths 470-710 nm and housed in an individual cartridge system. The system is supported by Quansoft software.



Quick & Organized
Once you've saved your customized insert, it's available at on the Internet at any time.

Completely Customizable
Choose only the analytes, units, instruments and/or methods you need. It's fully customizable!

Print What You Need
Print your customized inserts or your entire list of saved inserts. Print only what you need.

Prompt Email Notifications
Automatically receive emails of any data updates to your registered QC product lots.

More Languages
Now you can choose from more than 25 languages to view your product inserts.

A Bio-Rad Green Effort
Help reduce the use of paper by saving inserts on My eInserts and not printing them.



Watch the My eInserts™ Video

Smarter QC

Efficiently manage your QC product inserts online with My eInserts™
Learn more at www.myinserts.com

- Easily customize your QC product inserts
- Save and organize inserts in the Cloud
- Receive prompt email notification of insert updates
- Available in more than 25 languages
- Go paperless with My eInserts™



For more information, contact your local Bio-Rad office | US: 1-800-2-BIORAD | China: 86-800-820-5567 | www.myinserts.com



Protein Indicator Identified for Breast Cancer Relapse

Identifying the mechanisms involved in the survival of breast cancer cells and their ability to colonize other tissues are crucial issues for improving treatment. Scientists at the Hospital Del Mar Research Institute (IMIM; Barcelona, Spain; www.imim.es) studied the possible usefulness of determining the lack of the 14-3-3 σ and/or the activation of NF- κ B in tumor cells as a factor in prognosis and diagnosis, as well as for future clinical and therapeutic applications. The authors concluded that they had identified 14-3-3 σ as a negative regulator of NF- κ B in breast cancer and demonstrated that loss of 14-3-3 expression is directly associated with the capacity of breast cancer cells to metastasize. The study was published on May 31, 2012, in the *Public Library of Science One (PLoS One)*.

Genetic Test Improves Noonan Syndrome Diagnosis

A one-step test provides large-scale parallel screening of all 12 genes associated with Noonan disorders in one panel. This includes all coding exons of 11 genes plus exon 2 of SHOC2. Molecular testing company NewGene (Newcastle-Upon-Tyne, United Kingdom; www.newgene.org.uk) developed the new test in collaboration with the South West Thames Regional Genetics Service at St George's Healthcare NHS Trust (Tooting, United Kingdom; www.southwestthamesgenetics.nhs.uk). A positive test result will provide a definite diagnosis of the syndrome in question as the mutation spectrum has been well defined and no cases of nonpenetrance have been identified. Importantly, as a positive result will also determine which disorder is applicable, medical interventions appropriate for that specific disorder can be highlighted more quickly.

Molecular Assay Approved for Dengue Diagnosis

A molecular diagnostic test has been developed and officially approved to detect the dengue virus in people with symptoms of dengue or dengue hemorrhagic fever. The DENV-1-4 Real Time Polymerase Chain Reaction (RT-PCR) Assay was developed by the US Centers for Disease Control and Prevention (CDC; Atlanta, GA, USA; www.cdc.gov)

for use in the USA and can be conducted by using equipment and supplies that are already performed in many public health laboratories to diagnose influenza. With the RT-PCR test, laboratories are now able to diagnose all four dengue virus types within the first seven days after the appearance of any dengue-related symptoms.

Laboratory Testing Platform for Vitamin D Assay Validated

The quality of Vitamin D assays was demonstrated based on performance metrics. With a simple blood test, the Architect 25-OH Vitamin D assay can measure the stable form of Vitamin D. The Architect 25-OH Vitamin D assay by Abbott (Abbott Park, IL, USA; www.abbott.com) is a chemiluminescent microparticle immunoassay (CMIA), for the quantitative determination of 25-hydroxyvitamin D (25-OH vitamin D) in human serum and plasma. The Architect 25-OH Vitamin D assay is to be used as an aid in the assessment of vitamin D sufficiency. It is recommended that each laboratory establish its own reference range, and results should be used in conjunction with other data such as symptoms, results of other tests, clinical impressions.

Scanning Platform Provides Management and Analysis of Digital Pathology Images

A scanning platform processes batches of slides using both brightfield and multichannel fluorescence, providing a solution for digital pathology scanning. The platform offers monochrome detectors for fluorescence, which provide excellent separation of individual fluorophores that may be close in wavelength, while color detectors for brightfield provide exceptional digital slide capture quality. The SCN400 2.2 by Leica Microsystems (Wetzlar, Germany; www.leica-microsystems.com) can handle up to five fluorescence channels per slide, providing a flexible whole slide scanning solution. The advanced tissue finding system automatically identifies areas for capture for brightfield imaging. Leica's Dynamic Focus saves the overhead cost of slide premapping, rapidly scanning high quality whole slide images. The addition of the SL801 autoloader with capacity for 384 slides makes the SCN400 2.2 a fully automated, high-throughput system.

Assay Accurately Differentiates Between 4 Main Lung Cancers

A lung assay based on the expression levels of microRNAs has been validated. The assay can differentiate between the four main types of lung cancer. Rosetta Genomics (Rehovot, Israel; www.rosetta-genomics.com) announced that data from the study validating the company's miRview lung assay was published in the June 29, 2012, online edition of the *Journal of Molecular Diagnostics*. The miRview lung assay is based on the expression levels of eight microRNAs, measured using a sensitive quantitative real-time polymerase chain reaction (RT-PCR) platform. In the study, more than 90% of the samples were successfully processed with an overall accuracy of 94%. Similar performance was observed in both pathologic and cytologic samples, demonstrating the assays' ability to differentiate among squamous cell carcinoma, non-squamous non-small-cell lung cancer, carcinoid, and small-cell carcinoma.

Monitoring Test Helps Guide Inflammatory Bowel Disease Management

A new generation test measures drug (influximab) and drug antibody levels in one sample among inflammatory bowel disease (IBD) patients who use influximab. The test is called Anser IFX and is a product of Prometheus Laboratories Inc., (San Diego, CA, USA; www.prometheuslabs.com). The Anser IFX test was verified with more than 3,000 IBD clinical patient samples. The test uses Prometheus' nonradiolabeled homogeneous mobility-shift assay (HMSA) to measure the antibodies-to-infliximab (ATI) and IFX levels in serum samples. Approximately 50% of IBD patients using influximab may eventually experience a loss of treatment response. If the loss of treatment response is due to the development of ATI, increasing the influximab dose—the most common first step for physicians—may be less effective than switching to another treatment agent.

AUGUST

Rapid PCR Immunoassay Developed for Malaria Diagnosis

A polymerase chain reaction (PCR) immunoassay has been developed that detects the different malaria

HORRON
Sino-Australia

CE 

ARAB HEALTH

Visit us at MEDLAB RM70



H700 Specific Protein

- Immuno Scatter Nephelometry
- HbA1c/CRP/hsCRP/mALB up to 28 assays



H900 Electrolyte Analyzer
(K/Na/Cl/iCa/mCa/TCa/PH/TCO2/Ag/Li/Mg)

- color touch screen, user friendly
- Self made electrode, maintenance free

HORRON XILAIHENG MEDICAL ELECTRONICS export@horron.com
Tel: +86 755 26855736 Fax: +86 755 26855737 www.horron.com

Complete Line of IVD Test Kits for Home or Clinical Use



NOVA test®



- Fertility
- Drugs of Abuse
- Infectious Diseases

- Urine reagents
- EIA kits
- Blood Grouping

- Serology
- Chemistry
- Reagents

Atlas Link, Inc.
10758-A Ambassador Dr
Manassas, VA, 20109 USA
Tel: (1) 703-3663851 • Fax: (1) 703-366-3972 • Email: Atlas96@erols.com

www.atlaslink-inc.com

species and differentiates between *Plasmodium falciparum* and *P. vivax*. The test, which combines PCR with a nucleic acid lateral flow immunoassay (PCR-NALFIA) for amplicon detection, was thoroughly evaluated for the analytical sensitivity and specificity in the laboratory, the robustness, and reproducibility in a ring trial and accuracy and predictive value in a field trial. Scientists at the Royal Tropical Institute (Amsterdam, The Netherlands; www.kit.nl) developed the PCR-NALFIA and tested its validity. The study was published on August 17, 2012, in the *Malaria Journal*.

Clinical Diagnostic Test Validated for Bacterial Vaginosis

A clinical study supports validation of a new diagnostic test for bacterial vaginosis (BV). Laboratory Corporation of America Holdings (LabCorp; Burlington, NC, USA; www.labcorp.com) announced publication of the clinical study in the July 2012 *Journal of Clinical Microbiology*. During the study, quantitative polymerase chain reaction (PCR) assays were developed for four organisms reported previously to be indicators for the diagnosis of bacterial vaginosis (BV) and a single organism that had been implicated as a negative indicator for BV. The new test called Bacterial Vaginosis is currently available as part of the NuSwabsm series of tests. LabCorp introduced NuSwab in 2011 as a single collection device that improves the convenience and efficacy of sample collection for clinically validated test profiles for targeted women's health clinical conditions.

Prognostic Molecular Panel Launched for Chronic Lymphocytic Leukemia

A molecular assay for clinical use is offered as a stand-alone test in the USA, in conjunction with a new comprehensive prognostic profiling panel for patients with chronic lymphocytic leukemia (CLL). The stand-alone test detects mutations in the splicing factor 3b, subunit 1 (SF3B1) gene. The CLL Profile panel also includes assays for IgVH mutation analysis, ZAP-70 expression measured by flow cytometry, and fluorescence in situ hybridization (FISH) tests targeting abnormalities of certain genes associated with CLL. NeoGenomics (Fort Myers, FL, USA; www.neogenomics.com) a provider of cancer-focused genetic testing services, launched the new prognostic molecular panel for CLL. The company is a high-complexity Clinical Laboratory Improvement Amendments (CLIA)-certified clinical laboratory that specializes in cancer genetics testing.

Forgotten Vital Stain Identifies Resistant TB

Vital staining with fluorescein diacetate (FDA) stains only living *Mycobacterium tuberculosis* bacilli so that those bacilli resistant to treatment alone are seen. Scientists improved the detection of the luminous bacilli by replacing the classical fluorescence microscope with its light-emitting diode (LED) counterpart. Together with colleagues in Bangladesh, scientists at the Antwerp Institute of Tropical Medicine (Belgium; www.itg.be/itg/) tested the approach in the field for four years. If after treatment the FDA-test was negative, in 95% of cases more elaborate tests did not find active bacilli in the patient's sputum; if the test was positive, a resistant bacillus had been found.

Positive HPV Test Predicts Cervical Precancer for 18 Years

Testing for human papillomavirus (HPV) can predict which women will develop cervical precancers for 10 to 18 years after the test is conducted. A large study

examined the long-term benefits of HPV DNA testing alone, cytology (Pap testing), and combinations of the two, to predict cervical precancerous disease and invasive cervical cancer risk. Results of the study showed that while both a positive HPV test and an abnormal Pap test predicted which women would develop precancers within two years of testing, the positive HPV test continued to predict which women were at risk for the entire 18-year follow-up of the study. An initial negative HPV test, on the other hand, provided greater reassurance against cervical precancer and cancer over 18 years than a one-time normal Pap test. The results of the study were published in the July 30, 2012, online issue of the *Journal of Clinical Oncology*.

Pathology Checklist a First for Next Generation Sequencing Laboratory Standards

A gold standard molecular pathology checklist has been revised to include a dedicated section on next generation sequencing (NGS) — the first published laboratory accreditation checklist that addresses

NGS— advancing standardized practice in genomic testing. The College of American Pathologists (CAP; Northfield, IL, USA; <http://cap.org>), the largest association of board-certified pathologists and a global leader in laboratory quality assurance, published the new edition of the CAP Laboratory Accreditation Program checklists, released July 31, 2012. CAP checklists are used to guide accreditation of more than 7,000 laboratories worldwide. The CAP's efforts to further advance clinical testing using NGS go beyond accreditation and will include development of NGS proficiency testing products in the near future.

Blood Type May Affect Heart Disease Risk

The blood type of an individual may affect their risk of coronary heart disease (CHD). Studies have indicated that ABO blood group might influence plasma lipid level and recently, several genome-wide association studies found that variants at ABO locus were associated with plasma lipid levels and inflammatory markers associated with CHD risk. Blood type AB, the rarest type, occurs in around 7% of Americans, while type O,

Rapid Tests, ELISA Tests and OEM Products Manufacturer
Ameritek; www.ameritek.org, ISO 13485 Certified Company

New Products: Breath Alcohol Test (BAT with bag), Microalbumin-Creatinine dip-strip tests, BUP, Fentanyl, EDDP Test, FABP cardiac test, Improved dip-strip Urinalysis tests

<p>Fertility Tests</p> <ul style="list-style-type: none"> • True Beta hCG Tests (10 mIU, 20 mIU) • Ovulation, FSH, 2 IU hCG Tests • Semi Quantitative hCG Panel Tests 	<p>Tumor Marker Tests</p> <ul style="list-style-type: none"> • Bladder Tumor Marker Test • CEA, PSA, AFP Tests • Fecal Occult Blood Test • Fecal Hemoglobin/Heptoglobin Panel Tests • Fecal Hemoglobin/Transferrin Panel Tests • Occult Blood chemistry card Tests
<p>Cardiac Marker Tests</p> <ul style="list-style-type: none"> • Troponin I Test, FABP Test • Troponin I, CK-MB, Myoglobin Test • High Sensitivity CRP Test • D-Dimer Test 	<p>Drugs of Abuse Tests and Test Panels</p> <ul style="list-style-type: none"> • Cocaine • BAR • Amphetamine • Methamphetamine • BZD • Morphine • MTD • THC • PCP • TCA • MDMA • Oxycodone • Ketamine • Buprenorphine • EDDP • BUP • Fentanyl • Semi-Quantitative Blow Alcohol Test
<p>Infectious Disease Tests</p> <ul style="list-style-type: none"> • H. Pylori Ab, H.Pylori Saliva, H.Pylori Stool Tests • HBsAg, HbsAb, HCV, HIV 1/2 Tests • M. Tuberculosis Test • Malaria (<i>P.falciparum</i>) Test • Syphilis, Chlamydia, Candida Tests • Strep A, Strep B, Trichomonas Tests 	<p>Miscellaneous Tests</p> <ul style="list-style-type: none"> • Improved 1 to 11 dip-strip Urinalysis tests, Microalbumin-Creatinine dip-strip tests • Urine Albumin, IgE, RF Tests, TSH, Neonatal TSH Tests • FemLab Vaginitis, Urinary Tract Infection Tests • E. Coli Test, Listeria, Salmonella Tests • Adeno/Rota Panel Tests • Mononucleosis, Legionella Tests • Rubella, Toxo, Dengue Tests • Influenza A/B Tests • C. Difficile Panel Test • Cholerae Test

the most common, occurs in around 43%. Those with blood type AB had a 23% increased risk for heart disease, those with type B had an 11% increased risk, and those with type A had a 5% increased risk compared to people with type O. The study was published on August 14, 2012, in the journal *Arteriosclerosis, Thrombosis and Vascular Biology*.

Patients Colonized with MRSA Rapidly Identified

A molecular test rapidly and accurately identifies patients colonized with methicillin-resistant *Staphylococcus aureus* (MRSA). Performed on the fully-automated BD Diagnostics' MAX System, the MRSA molecular test received a Moderate Complexity rating under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88, a US regulatory standard). Moderate Complexity rating allows the test to be performed by a qualified technician. BD MAX is a fully automated, bench-top molecular system designed to perform a broad range of molecular tests. This includes in vitro diagnostic assays, as well as user-defined protocols and life science research applications.

SEPTEMBER

Assay Measures Low Levels of Testosterone

A chemiluminescent, microparticle immunoassay has been developed for the quantitative determination of testosterone in human serum and plasma. In 2010, the Endocrine Society published a consensus statement calling for improved testosterone assays and noted that the availability of highly accurate testosterone assays would result "in improved diagnosis, treatment, and prevention of disease." With a simple blood test, the ARCHITECT 2nd Generation Testosterone Assay accurately measures the wide range of testosterone levels observed in a number of different patient populations and clinical settings. The assay, which has improved sensitivity and clinical utility, is a product of Abbott (Abbott Park, IL, USA; www.abbottdiagnostics.com) and it has received the CE marking.

Assay Released for Free Protein S Antigen Testing

An assay for specific and stable free protein S antigen (PS Ag) testing employs polystyrene particles coated with monoclonal antibodies for specific determination of free protein S (PS). Siemens Healthcare Diagnostics (Tarrytown, NY, USA; www.siemens.com/healthcare) unveiled its INNOVANCE Free PS Ag assay, which will help labs complete their thrombophilia testing portfolio on the company's automated hemostasis systems. The INNOVANCE Free PS Ag assay demonstrates linearity and precision over the calibrated measuring range, as well as specificity for free protein S antigens with no major interference, including those commonly incurred from rheumatoid factors and heterophilic antibodies. The new test complements Siemens' existing protein S activity assay (Protein S Ac) and enables the company to provide a complete protein S testing menu to labs.

Clot Protection Benefits Evaluated for New Blood Gas Testing System

The clot protection capabilities of a new blood gas testing system have been highlighted in an evaluation undertaken at a hospital intensive care unit. Blood sample clotting is a main concern in point-of-care (POC) testing systems, particularly in neonates for whom blood gases are the most common test performed. At the intensive care unit, patient samples, including "high

risk" samples were analyzed in an evaluation of the new "Roche cobas b 123 POC" system from Roche Diagnostics (Basel, Switzerland; www.roche.com), specifically designed to eliminate risk of clot blockages. A new clot clearance feature prevents movement of clots from the syringe or capillary into the analyzer. In both internal and external ongoing evaluations, no downtime owing to clots were reported.

Tests Combined for Early Diagnosis of Liver Disease

A test could be used in primary care to diagnose liver fibrosis and cirrhosis in high-risk populations more easily than current tests. Known as the Southampton traffic light test (STL), it combines the fibrosis markers procollagen-3 N-terminal peptide (P3NP) and hyaluronic acid, along with routine liver function tests in a clinical algorithm that can be used in an outpatient clinic. Scientists studied patients with suspected liver disease whose progress was tracked. The results of the study published in September 2012 in the online edition of the *British Journal of General Practice (BJGP)* show that the test proved to be accurate in severe liver disease, and while not a substitute for clinical judgment or other liver function tests, it can provide physicians with objective means to accurately assess the potential severity of liver fibrosis in high-risk patients.

Nutrient Agar Substituted for Blood in Antibiograms

In resource poor laboratories, testing antibiotic sensitivity of bacteria on blood agar plates may not be feasible. Beta-hemolytic *Streptococcus* species also grow on Standard Nutrient Agar 1 (StNA1) and it has been suggested this type of nutrient medium could be used for running agar diffusion tests. The results of the study published on August 29, 2012, in the *European Journal of Clinical Microbiology & Infectious Diseases* conclude that although blood agar is always the better choice, the reading of the zone of inhibition is often easier on StNA1 than on Müller-Hinton agar because StNA1 is more transparent and, therefore, the edges between bacterial growth and the inhibition zone can be discerned more easily. In places where no blood agar is available for conducting antibiograms, StNA1 is an appropriate substitute for blood-supplemented Müller-Hinton agar.

Specialized Tubes Selected to Optimize Biofluids Sample Storage

Specialized sample tubes chosen by a biorepository institute have successfully supported the development of an optimized automated workflow to secure the long-term storage of serum, plasma, and urine samples. In improving the long-term storage of samples and the efficiency of its facility, the Karolinska Institute Biobank (KI Biobank; Stockholm, Sweden; <http://ki.se/ki>) now uses the single-use heat-sealed REMP sample tubes from Brooks Life Science Systems, a division of the automated sample storage and management pioneer Brooks Automation, Inc. (Poway, CA, USA; www.brooks.com). The format avoids repeat freeze-thaw and minimizes risk of contamination. The heat seal, available on all tubes (40 to 900 µL), provides the highest integrity of any available sealing system at low temperatures, reducing potential interference of the sample caused by adhesives.

"Labs for Life" Program to Strengthen Laboratories in Developing Regions

A new collaboration, valued at USD 20 Million, between global medical technology leader Becton, Dickinson and Company (BD; Franklin Lakes, NJ, USA;

www.bd.com) and the US President's Emergency Plan for AIDS Relief (PEPFAR; Washington DC, USA; www.PEPFAR.gov) through the US Department of Health and Human Services' Centers for Disease Control and Prevention (CDC; Atlanta, GA, USA; www.cdc.gov) has now launched "Labs for Life" to help strengthen healthcare and laboratory systems in resource-limited regions heavily burdened by disease. The new five-year program, announced at the 2012 International AIDS Conference, will continue efforts in Africa as well as increase scope to include additional regions and diseases. It builds on a successful prior five-year public-private partnership (PPP) between BD and PEPFAR that focused on regions severely affected by HIV/AIDS and tuberculosis.

High Glucose Levels Predict Mortality in Pneumonia

Acute hyperglycemia associated with community-acquired pneumonia (CAP) can identify at-risk patients who need additional care to reduce their risk for mortality. Scientists evaluated whether acute dysglycemia could predict a poor outcome in patients with CAP who had not been diagnosed with diabetes. At the time of hospital admission, patients who had glucose levels from 6 to 11 mmol/L (108-198 mg/dL) were considered to have mild acute hyperglycemia and patients who had glucose levels of 14 mmol/L (252 mg/dL) or more were considered to have acute hyperglycemia. In all, 40% of CAP patients presented with hyperglycemia. An elevated glucose level at hospital admission corresponded to increasing risk for death from CAP. The study was presented on September 2, 2012, at the European Respiratory Society (ERS) 2012 Annual Congress held in Vienna (Austria).

OCTOBER

Novel Coronavirus Detected by Molecular Technique

Scientists developed diagnostic real-time reverse-transcription polymerase chain reaction (RT-PCR) assays suitable for qualitative and quantitative detection of the novel human coronavirus (hCoV) that causes an illness similar to the severe acute respiratory syndrome (SARS) virus. Upon scanning of a provisional genome assembly, a region upstream of the putative E gene was identified as a particularly suitable target region for a real-time RT-PCR assay. The assay designed for this region is referred to as the upE-assay. A confirmatory test was designed in the open reading frame 1b, termed the ORF1b assay. This target gene did not overlap with those of known pan-CoV assays including the SARS. If laboratories find patient samples positive by the upE assay and control, they can conduct confirmatory testing using the ORF1b assay. The study was published on September 27, 2012, in the journal *Eurosurveillance*.

Whole Genome Test Pinpoints Mutations in Neonates

Scientists used STAT-Seq, a whole genome sequencing (WGS) program they developed in conjunction with a sequencing machine, to cast a broad net over the 3,500 or so known genetic diseases and achieve results in time for physicians to make clinical decisions. The prototype was tested by doing retrospective 50-hour WGS on two children whose molecular diagnoses had already been done the conventional way. Then the scientists did tests on children not tested before, and confirmed the results by sequencing genomes of parents and siblings. The authors of the study, which was published on October 3, 2012, in

the journal *Science Translational Medicine* concluded that rapid WGS can potentially broaden and shorten differential diagnosis, resulting in fewer empirical treatments and faster progression to genetic and prognostic counseling.

Lactate Concentrations Evaluated in Suspected Infections

The prognostic significance of incremental blood lactate concentrations among emergency department (ED) patients with suspected infection has been evaluated and categorized into low, intermediate, and high groups. The median initial lactate concentration was 2.1 mmol/L, and 459 out of 2596 (17.6%) subjects had an initial lactate greater than 4 mmol/L. Mortality continued to rise across the continuum of incremental elevations, from 6% for lactate greater than 1.0 mmol/L up to 39% for lactate 19-20 mmol/L. In the study published on August 20, 2012, in the journal *Academic Emergency Medicine*, the authors concluded that in ED patients with suspected infection, incremental elevations in whole blood lactate values up to 20 mmol/L are associated with progressive increases in mortality.

Gene Test Detects Early Mouth Cancer

A gene test that can detect precancerous cells in patients with benign-looking mouth lesions could potentially allow at-risk patients to receive earlier treatment. The test is less invasive than the standard histopathology methods, as it requires only a 1-2 mm piece of tissue and it takes less than three hours to get the results, compared to up to a week for standard histopathology. The test is based on a cancer gene encoding the Forkhead box protein (*FOXM1*) - (isoform B). The 14 associated genes are implicated in the regulation of the cell cycle, differentiation, aging, genomic stability, epigenetic and stem cell renewal. Two reference genes are included in the test. The study was published on October 4, 2012, in the journal *International Journal of Cancer*.

Serological Assays Assessed for Q Fever

The indirect immunofluorescence assay (IFA) is considered the reference method for diagnosing Q fever, but serology is also performed by complement fixation assay (CFA) or enzyme-linked immunosorbent assay (ELISA), however, comparability between these assays is not clear. The Q fever cases were confirmed either by a positive polymerase chain reaction (PCR) or by seroconversion. For the diagnosis of Q fever, all assays reached a specificity of 95% to 100% in the samples with an intended negative outcome. However, there were differences in sensitivity between the methods. The IFA (Focus Diagnostics, Cypress, CA, USA; www.focusdx.com) appears to be the method of choice when high sensitivity is required, for example, identifying chronic Q fever. The study was published on October 5, 2012, in the journal *Diagnostic Microbiology and Infectious Disease*.

Exosomes Infected with Prions Diagnostic for vCJD

Genetic sequencing enables scientists to discover cells infected with prions, the infectious agent responsible Creutzfeldt-Jakob disease (vCJD) and Bovine Spongiform Encephalopathy (BSE). Circulating exosomes released during prion infection have a distinct miRNA signature that can be utilized for diagnosis and understanding pathogenic mechanisms in prion disease. Exosomes are shed into blood, urine, and cerebrospinal fluid, forming a highly enriched

source of intact, disease-specific nucleic acids. If the exosomes are infected with prions, they also carry a specific signature of miRNAs. The research was published in the September 2012 issue of Oxford University Press *Nucleic Acids Research*. The lead author of the study, Dr. Shayne Bellingham, said that the breakthrough might also help detect other human neurodegenerative diseases, such as Alzheimer's and Parkinson's.

Routine Blood Tests Gauge Liver Cancer Risk

Elevated levels of two enzymes, alanine transaminase (ALT) and aspartate transaminase (AST), which are involved in producing amino acids, are an indicator of liver damage. A team of scientists divided study participants into two groups: the 130,533 who had known Hepatitis C (HCV) test results and the other 298,051. They found 1,668 cases of liver cancer. The researchers developed their risk prediction models by dividing each cohort in half, which allowed them to base the model on one set and then validate the model in the second set. The model that relied only on levels of the enzymes alanine transaminase (ALT) and aspar-

tate transaminase (AST) predicted 91.2% of cancer cases. The study was published on October 16, 2012, in the *Journal of the National Cancer Institute*.

Molecular Assay Used to Diagnose Buruli Ulcer

A quick and inexpensive diagnostic test can identify *Mycobacterium ulcerans*, the bacterium responsible for Buruli Ulcer (BU), and could replace the current laboratory diagnosis based on microscopy, which requires confirmation. Scientists employed the methodology based on the loop mediated isothermal amplification (LAMP) technique. The BU-LAMP assay was developed and tested on five *M. ulcerans* strains and two reference isolates. The assay was tested on other closely related, mycolactone-producing mycobacterial strains *M. marinum*, *M. liflandii* and *M. pseudoshottsii*, as well as experimentally infected laboratory animal and clinical samples. The results revealed a high specificity of the BU-LAMP assay for selectively detecting *M. ulcerans*. Compared to the conventional PCR, the new assay is cheaper, simpler, and ten times more sensitive. The study was first published online on January 12, 2012, in the journal *BMC Infectious Diseases*.

NEW

IN VITROCELL ES energy saver

MICROBIOLOGICAL CO₂ INCUBATORS

raising research by intelligent design

The new line of NuAire® In-VitroCell™ ES (Energy Saver) CO₂ Incubators provide a reliable controlled in-vitro environment for optimum tissue cell culture growth through precise control of humidity, temperature, gas, and contamination control.

The NuTouch™ Intelligent Interface is a user friendly color touch screen designed for high user adoption.

- NuTouch™ Intelligent Interface touchscreen controls
- HEPA Filtered ISO Class 5 Cleanroom Conditions
- Dual Sterilization Cycles (145 °C Dry / 95 °C Humidified)

Learn more online www.nuaire.com/in-vitrocell

NuAire is a proud corporate sponsor of the IFBA.

 International Federation of Biosafety Associations

Learn more at www.nuaire.com/ifba



 /nuaire  @nuaire  /nuaire  /nuaire

2100 Fernbrook Lane | Plymouth, MN 55447 | U.S.A. | 763.553.1270 | WWW.NUAIRE.COM

ELGA

Does your
water measure
up for
analysis?



MEDICA Pure Water Systems for Clinical Analyzers

- Proven reliability for maximum uptime
- Compliant with the Clinical Laboratory Reagent Water (CLRW) standard
- Low consumable and running costs

For more details visit:
www.elgalabwater.com/medica



Rare Cell Isolation Technique Improved

A technique, which does not rely on antibodies, allows an entire blood draw to be processed quickly. Scientists at the University of Cincinnati (OH, USA; www.uc.edu) used inertial microfluidics to continuously and selectively collect rare cells, such as circulating tumor cells, based on their size versus other biomarkers. The advantage of inertial microfluidics in cell separation is that it can be done easily, without cumbersome equipment. This type of work is leading to an entirely new generation of testing capabilities that lend themselves to direct use in the field and in physicians' offices in just about any country and economic setting. The study was reported at the Sixteenth International Conference on Miniaturized Systems for Chemistry and Life Sciences (microTAS) held October 28 to November 1, 2012, in Okinawa (Japan).

Shiga Toxin-Producing *E. coli* Directly Detected from Stool

A rapid diagnostic test, which combines the accuracy of an enzyme immunoassay with the speed and ease of use of a cassette, can detect Shiga toxin-producing *Escherichia coli* (STEC) directly from a stool specimen. The test offers significant advantages over other rapid cassette assays in that it removes the need for overnight bacterial culture preparation. Alere Inc., (Waltham, MA, USA; www.alere.com) received confirmation that the US Food and Drug Administration has cleared the TECHLAB (Blacksburg, VA, USA; www.techlab.com) Shiga Toxin Quik Chek test for the US market. The Shiga Toxin Quik Chek detects toxins from both O157 and non-O157 strains of *E. coli*.

Immunoassay Developed for Rapid Leptospirosis Diagnosis

A rapid assay has been developed using immunodominant *Leptospira* immunoglobulin-like proteins in a Dual Path Platform (DPP) for the diagnosis of leptospirosis. The assay was developed by Chembio Diagnostic Systems (Medford, NY, USA; www.chembio.com). The overall sensitivity for paired sera was 100% for severe and 73% for mild disease. In the acute phase of the infection, the assay achieved a sensitivity of 85% for severe and 64% for mild leptospirosis. The authors of the study published on November 1, 2012, in the journal *Public Library of Science Neglected Tropical Diseases (PLOSNTD)* concluded that the DPP assay performed acceptably well for diagnosis of severe acute clinical leptospirosis and can be easily implemented in hospitals and health posts where leptospirosis is a major public health problem.

Molecular Assay Diagnoses Neoehrlichiosis

A molecular assay has been developed to diagnose Neoehrlichiosis caused by *Candidatus Neoehrlichia mikurensis*, which is an emerging zoonotic disease. Scientists at the University of Zurich (Switzerland; www.uzh.ch) developed assay based on the signature sequence of a 282-bp fragment of the *Candidatus N. mikurensis* 16S ribosomal ribonucleic acid (rRNA) gene and incorporates a *Candidatus N. mikurensis* species, a *Neoehrlichia* genus and an *Anaplasmataceae* family probe for simultaneous screening. The assay was found to be suitable for the direct detection of *Candidatus N. mikurensis* DNA in clinical samples like blood and bone marrow. In addition, it allows for monitoring treatment response during antibiotic therapy. The study was published on October 31, 2012, in the *Journal of Clinical Microbiology*.

Exome Sequencing Detects Intellectual Disability

Exome sequencing can be used as a diagnostic assay to determine the genetic mutations that may explain why some patients suffer from significant limitations both in intellectual functioning and in adaptive behavior. A team of scientists at Radboud University (Nijmegen, The Netherlands; www.ru.nl) performed exome sequencing of patients with unexplained cognitive impairment, and uncovered 79 genes with unique de novo mutations. These de novo mutations were present in the DNA of the patients but not in that of their parents whose exomes also were sequenced. The diagnostic interpretation revealed that 16 of the 100 mutations were causative, or pathogenic. The results of this study were presented on November 8, 2012, at the American Society of Human Genetics meeting (www.ashg.org) held in San Francisco (CA, USA).

Improved Detection of Polyomavirus in Merkel Cell Carcinoma

The sensitivity of detection of Merkel polyomavirus (MCPyV) in Merkel cell carcinomas (MCC) has been improved, enabling high-confidence discrimination between virus-positive and virus-negative tumors. A team of scientists analyzed archival FFPE tissue samples of MCC tumor specimens obtained from patients. The newly developed monoclonal antibody Ab3 showed markedly increased sensitivity in detecting MCPyV large T antigen in 97% of MCC tumors tested. Additionally mutations in the gene tumor protein (*TP53*) were identified in the two tumors that lacked detectable MCPyV. The authors concluded that the presence of MCPyV in MCC is more common than previously reported and that improved detection methods may reveal that all MCC specimens contain viral DNA. The study was published on November 1, 2012, in the *Journal of Clinical Investigation*.

Cervical Cancer Test Can Improve Early Detection

Immunological methods have been used to detect an oncoprotein associated with human papillomaviruses (HPV) that cause cervical cancer. Scientists at the University of Gothenburg (Sweden; www.gu.se) raised monoclonal antibodies against the E7 oncoprotein, which is an absolute prerequisite of malignant transformation and the protein is expressed at increasing levels during cancer development. Antibodies specific for the E7 protein of oncogenic HPV types were selected using immunological methods. Phage display was used to identify antibody epitopes thereby predicting and verifying antibody specificity. Two of the antibodies, recognizing HPV16 and HPV18 E7 demonstrated strong staining of dysplastic cell

Serum Cortisol Predicts Death and Critical Disease

Biomarkers and prognostic scores were evaluated to predict prognosis in community-acquired pneumonia (CAP). Scientists measured the serum cortisol concentrations of hospitalized CAP patients and compared its prognostic accuracy to the leucocyte count, C-reactive protein levels, and the clinical prediction CRB-65 score. Serum cortisol levels on admission were significantly higher in nonsurvivors at a median of 870 nmol/L when compared to survivors at 602 nmol/L. In patients with critical pneumonia the median was 972 nmol/L compared with a median 598 nmol/L in patients with noncritical pneumonia. The authors of the study originally published in April 2012 in the

Biomedical Central Journal *BMC Infectious Diseases* concluded that cortisol predicts mortality and critical disease in hospitalized CAP-patients independently of clinical scores and inflammatory biomarkers.

Molecular Test Detects Transrenal Cancer Mutations

The first molecular diagnostic test capable of detecting genetic mutations from a urine specimen has been successfully developed. The initial oncogene mutation tests will include V-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog (*KRAS*), V-raf murine sarcoma viral oncogene homolog B1 (*BRAF*) and phosphatidylinositol 3-kinase (*PIK3CA*). Potential uses of this noninvasive technology include monitoring for recurrence of disease, determining response to therapy, and disease detection. The transrenal molecular diagnostic tests have been developed by Trovagene, Inc. (San Diego, CA, USA; www.trovagene.com). Transfer of the transrenal *KRAS* test to the company's Clinical Laboratory Improvement Amendments (CLIA) certified laboratory is expected soon and commercial availability foreseen shortly thereafter.

Blood Test Improves Prostate Cancer Detection

A simple blood test that is 2.5 times more specific in detecting prostate cancer than prostate-specific antigen test (PSA) has been officially approved. The Prostate Health Index (*phi*) noninvasive blood test is designed specifically for patients with PSA values in the 4–10 ng/mL range and is proven to reduce the number of prostate biopsies. The test provides an answer to the current PSA testing controversy, where prostate cancer screening to save lives has been weighed against over-diagnosis and over-treatment. The Prostate Health Index (Beckman Coulter, Brea, CA, USA; www.beckmancoulter.com) helps physicians distinguish prostate cancer from benign conditions. The results of *phi*'s multicenter clinical study showed a 31% percent reduction in unnecessary biopsies.

Serum Procalcitonin as Interstitial Pneumonia Diagnostic Marker

The diagnostic and prognostic role of serum procalcitonin in patients with acute exacerbation of interstitial pneumonia has been appraised. Acute exacerbation of interstitial pneumonia (AE-IP) is defined as a life-threatening deterioration of IP without identifiable cause and the role of serum procalcitonin has been evaluated for discriminating AE-IP from other lung diseases. Scientists evaluated the levels of serum procalcitonin (PCT) in consecutive patients admitted for AE-IP. Serum PCT levels in AE-IP were significantly lower with a mean of 0.62 ng/mL than in Acute Respiratory Distress Syndrome due to bacterial pneumonia (BP-ARDS) patients whose mean was 30.14 ng/mL or for patients BP with IP, where the mean was 8.31ng/mL. The authors concluded that serum PCT is a useful marker for discriminating between AE-IP and bacterial pneumonia, but not useful as a prognostic marker for survival. The study was published on December 5, 2012, in the journal *Respirology*.

Biofluid Ribonucleic Acid Isolation Kit Launched

An isolation kit for the extraction of small ribonucleic acid (RNA) from serum, plasma, urine and other biofluids has been specifically optimized for such applications. The new biofluids kit allows scientists to obtain high quality microRNA from virtually all types of biofluids in just 45 minutes and the workflow is completed in six simple steps without the use of hazardous chemicals such as phenol and chloroform. The miRCURY RNA

Isolation Kit – Biofluids (Exiqon; Vedbaek, Denmark; www.exiqon.com) is optimized to work with company's highly sensitive miRCURY LNA Universal real-time microRNA polymerase chain reaction (qPCR) platform. The Isolation Kit is ideal for use with urine samples together with Exiqon's Toxicology Focus microRNA PCR Panels, and for serum and plasma samples with the Serum/Plasma Focus microRNA PCR Panels.

Vitamin B12 Assays Could Be Missing Anemia

A new study suggests that newer competitive-binding luminescence assay (CBLA) tests for measuring cobalamin (vitamin B12) levels may miss over a third of pernicious anemia cases. Researchers used frozen serum samples obtained from 23 untreated pernicious anemia patients (15 with anti-intrinsic factor antibodies and 8 without). The results showed that the CBLAs showed false normal values in 6 of 23 (26%), 5 of 23 (22%), and 8 of 23 (35%) serum samples, respectively, as compared with a radioisotope-dilution assay; 5 of the serum samples failed with all three CBLAs. False normal results affected 33%–53% of positive serum samples for anti-intrinsic factor antibodies, but no serum samples that were negative

for anti-intrinsic factor antibodies. The study was published on September 6, 2012, as a letter to the editor in the *New England Journal of Medicine (NEJM)*.

Immune Protein Levels Predict Hodgkin Disease Risk

The amount of an immunity-related protein in the blood of patients with newly diagnosed Hodgkin lymphoma reflected the extent of their cancer and correlated with other predictors of outcome. Antibodies have been developed that recognize the galectin-1 protein and were used in creating a sandwich enzyme-linked immunosorbent assay (ELISA) as serum galectin-1 levels are significantly associated with tumor burden and additional adverse clinical characteristics in newly diagnosed Hodgkin lymphoma (HL) patients. Scientists tested the blood levels of galectin-1 in 315 patients, and found that by using the sandwich ELISA, the blood galectin-1 levels in Hodgkin lymphoma patients were significantly higher than in normal control patients. The study was presented at the 54th Annual Meeting of the American Society of Hematology held December 8-11, 2012, in Atlanta (GA, USA; www.hematology.org).

InnovaStar® Imagine The Perfect POCT. Now Double Its Performance. Triple It.

1st

Precision

2nd

Ease of Use

3rd

Flexibility





Visit us at
MEDLAB
Stand RC70

Superior Quality For HbA1c, Glucose,
Hemoglobin and More

- Easy to use, precise
- Secure, high-quality results
- Plasma values from whole blood samples

DiaSys. When You Need Flexibility In Your POC Analysis.

www.diasys-diagnostics.com



DiaSys

Diagnostic Systems

For more information on news developments listed below, log on to www.LabMedica.com and type appropriate keyword(s) into search engine in order to access full story at news archive

Signal Genetics Expands Oncology Pipeline

Signal Genetics (New York, NY, USA; www.signalgenetics.com), a company focused on personalized medicine for cancer patients, purchased all the assets of ChipDX (New York, NY, USA; www.chipdx.com). As part of the transaction, Signal Genetics acquired BreastGeneDX, ColonGeneDX, and LungGeneDX, all diagnostic and prognostic tests in development by ChipDX. Ryan VanLaar, PhD, CEO, and founder of ChipDX, joined Signal as head of bioinformatics. Financial details of the transaction were not disclosed. The genetic tests represent novel products or improvements over other products currently on the market for lung, breast, and colon cancers.

BD Diagnostics Widens Microbiology Portfolio

BD Diagnostics (Franklin Lakes, NJ, USA; www.bd.com) has acquired Kiestra (Drachten, The Netherlands; www.kiestra.nl), expanding the company microbiology portfolio to include new automated instrumentation technologies, which will enable it to offer total lab automation solutions worldwide. Kiestra Lab Automation BV, which designs, develops, manufactures, and markets lab automation solutions for the microbiology lab, complements BD's microbiology portfolio of instruments, reagents, and supplies. Kiestra offers two lines of automated solutions: Total Lab Automation (TLA) and Work Cell Automation (WCA). Total Lab Automation is designed to significantly increase overall microbiology lab productivity, streamline workflow, and shorten the time to results. Kiestra's Work Cell solution offers customers a modular and scalable approach to automate their lab within current space and budget constraints.

Beckman Coulter Acquires Flow Cytometry Developer

Beckman Coulter Life Sciences (Indianapolis, IN, USA; www.beckmancoulter.com) has acquired Blue

Ocean Biomedical, LLC (Pembroke Pines, FL, USA; <http://blueoceanbio.com>), manufacturer of automated flow cytometry systems and reagents. The acquisition provides Beckman Coulter Life Sciences with low-complexity analyzers that integrate automated sample preparation and directly address emerging flow cytometry-market trends. Driving growth through internal product development and through acquisition of differentiated businesses and technologies is a core strategy for Beckman Coulter Life Sciences. The transaction expands the company's flow cytometry line and targets routine clinical analyses. Blue Ocean Biomedical products complement the company's existing cytometry portfolio with instruments based on a "sample in, result out" (SIRO) approach that represents a fundamental change in the routine clinical analysis sector.

Beckman Parent Acquires IRIS International for USD 338 Million

Danaher Corp. (Washington DC, USA; www.danaher.com) acquired IRIS International, Inc. (Chatsworth, CA, USA; www.proiris.com) for about USD 338 million. The transaction was completed on October 31, 2012. Upon closing, IRIS became part of Danaher's Beckman Coulter Diagnostics business unit. Other life sciences brands of Danaher Corp. include Radiometer, Molecular Devices, and AB Sciex. IRIS is a manufacturer of automated in vitro diagnostics systems and consumables. IRIS is focused on products that analyze particles and living cell forms and structures, or morphology of a variety of body fluids. IRIS is expanding its core imaging and morphology expertise into related markets, including applications in hematology and body fluids.

Sysmex and Roche Extend Hematology Alliance

Sysmex Corporation (Kobe, Japan; www.sysmex.co.jp/en) and Roche (Basel, Switzerland; www.roche.com) signed a restated 10-year distribution, sales, and services agreement (DSS Agreement). Roche will continue to distribute Sysmex hematology products, including instruments, reagents, and data management solutions in selected countries and regions. These include Spain, Turkey, Greece, South Africa, Russia, Finland, Baltic Territory, Brazil, Mexico, Chile, Argentina, Uruguay, Colombia, Peru, Ecuador, Venezuela, Central America, Australia, and New Zealand. Since entering into the DSS Agreement in 1999, Sysmex and Roche have combined their mutual strengths to expand market share while building a positive relationship.

Distribution Agreement Between IL and Beckman Comes to an End

After over 20 years of successful collaboration, Instrumentation Laboratory (IL; Bedford, MA, USA; www.instrumentationlaboratory.com) announced the termination of the Strategic Alliance Cross-Distribution agreement of their Hemostasis product line with Beckman Coulter, Inc. (Brea, CA, USA; www.beckmancoulter.com). On June 23, 2012, IL initiated direct sale and support services in the USA and Canada for their own Hemostasis product line in order to improve the quality of their products and services and simplify lab operations. Ramon Benet, CEO, IL, said, "Now is the ideal time for us to apply our expertise,

resources, and world-class service organization to working directly with our Hemostasis customers in North America, and focus on ensuring a smooth transition for our customers."

Thermo Fisher Acquires Transplant Diagnostics Leader

Thermo Fisher Scientific (Waltham, MA, USA; www.thermofisher.com) has completed on September 13, 2012, a previously announced agreement to acquire One Lambda (Canoga Park, CA, USA; www.onelambda.com) for USD 925 million in cash. One Lambda, a pioneer and global leader in transplant diagnostics, whose business generated revenues of USD 182 million in 2011, became part of Thermo Fisher's Specialty Diagnostics Segment. One Lambda develops its own transplant diagnostic tests utilizing serological, molecular, ELISA, flow, and Luminex xMAP technologies. The company also manufactures laboratory instrumentation and computer software that are used to simplify and automate testing procedures and final test evaluations. The transaction enhances Thermo Fisher's presence in specialty in vitro diagnostics as growth in transplant diagnostics is being driven by global demand.

Fresenius Kabi Buys Fenwal Holdings

Fresenius Kabi (Bad Homburg, Germany; www.fresenius.com) acquired Fenwal Holdings, Inc. (Lake Zurich, IL, USA; www.fenwalinc.com), a US-based provider of transfusion technology products for blood collection, separation, and processing from TPG (formally Texas Pacific Group) and Maverick Capital. The acquisition announced on July 20, 2012, was consolidated as of December 2012. The acquisition marks another major step in Fresenius Kabi's previous statement that expanding its medical devices/transfusion technology segment is a priority. Combining the two businesses will lead to a comprehensive product portfolio in transfusion medicine. Fresenius Kabi will now become a global leader in transfusion technology.

Hologic Completes Acquisition of Gen-Probe

Hologic (Bedford, MA, USA; www.hologic.com) has completed the acquisition of Gen-Probe (San Diego, CA, USA; www.gen-probe.com) for a net purchase price of USD 3.72 billion. Gen-Probe is a molecular diagnostics company with services used to diagnose human diseases, screen donated human blood, ensure transplant compatibility, and aid biomedical research. The acquisition will allow Hologic to expand its growing diagnostics products and services business. Hologic, Inc. is a developer, manufacturer, and supplier of diagnostic products, medical imaging systems, and surgical products. The company operates four core business units focused on breast health, diagnostics, GYN surgical, and skeletal health.

Leica Biosystems Acquires ePathology Systems Provider

Leica Biosystems (Nussloch, Germany; www.leicabiosystems.com) completed the acquisition of Aperio (Vista, CA, USA; www.aperio.com) a provider of ePathology solutions, finalizing on October 24, 2012, the agreement originally announced in August 2012. Aperio will be integrated into Leica Biosystems and the two businesses will leverage each other's strengths to grow and expand digital pathology into the global Life Science and Healthcare markets. The integrated business will provide solutions in each step of the anatomical pathology workflow, from sample preparation and staining, to imaging and reporting. The company will continue to offer both the Aperio and the existing Leica portfolio of Digital Pathology solutions.

Visit us at MEDLAB 2013 · Stand SAL25

Apel Bilirubin Meters are Newly Updated

Switch on and start measuring! Highly user-friendly bilirubin meter for neonates

BR-5200P FROM APEL, JAPAN

Very easy to operate
Quick measurement time
No lamp replacement
Built-in printer



Manufacturer of Hemoglobin, Bilirubin Meters, Spectrophotometers & Colorimeters ISO13485, ISO9001 Certified
951, Angyouyou Negishi, Kawaguchi, Saitama 333-0834 Japan
Tel +81-48-280-3055 Fax +81-48-285-2309 sales@apel.co.jp
www.apel.co.jp

ALPHABETICAL LISTING OF COMPANIES



77 Elektronika Kft.

77 Elektronika

Hungary • Budapest
Tel: (36) 1-481-0139
Web: www.e77.hu
E-mail: sales@e77.hu

Develops, manufactures, and markets fully automated and semiautomated urine test strip readers and microscopic urine sediment analyzers, blood glucose meters and their consumables under own brand name, as well as OEM products for market-leading multinational companies.

► SEE AD ON PAGE 6

AADEE

Argentina • Buenos Aires
Tel: (54) 11 45234848
Web: www.aadee.com

Manufactures, exports/imports medicine and biochemistry items. Products include the Automatic pH Blood Gas Analyzer, the AADEE-ZEN model and a fully automatic selective ION analyzer "AADEE-ZEN" ISE that has the capability to measure Na, K, Cl, and Ca.

AB Sciex

USA • Foster City, CA
Tel: (1) 877-740-2129
Web: www.absciex.com
E-mail: support@absciex.com

Develops scientific instrumentation, software, and services used to discover new drugs, and advance medical science.

► SEE AD ON PAGE 35

Abaxis

USA • Union City, CA
Tel: (1) 510-675-6500
Web: www.abaxis.com
E-mail: abaxis@abaxis.com

Produces point-of-care blood analyzers for both humans and animals. The analyzers are designed to be portable, require minimal training, provide on-the-spot results and offer built-in quality control and calibration. Abaxis markets the system under the name Piccolo in the human medical market and under the name VetScan in the veterinary market.

Abbott Diagnostics

USA • Abbott Park, IL
Tel: (1) 847-937-6100
Web: www.abbott.com

Provides in vitro diagnostics, instrument systems, and tests. Products offer diagnostic solutions in immunochemistry, hematology, automation, molecular and remote diagnostics.

AbD Serotec

UK • Oxford
Tel: (44) 1865-852-700
Web: www.abdserotec.com

LabMedica

WORLD'S IN VITRO DIAGNOSTICS COMPANIES

300

E-mail: sales.uk@abdserotec.com
Develops and manufactures antibodies, immunological reagents, and custom monoclonal antibodies, as well as offering large- and small-scale antibody production and conjugation services.

ABS Advanced Biomedical Systems

Italy • Milan
Tel: (39) 2-925-904-41
Web: www.absdiag.com
E-mail: info@absdiag.com

Focuses mainly on supplying diagnostic products, rapid test (IVD) kits and instruments to pediatric offices.

AccuBio Tech

China • Beijing
Tel: (86) 10-6205-8220
Web: www.accubiotech.com
E-mail: sales@accubiotech.com

Develops and manufactures in vitro rapid diagnostic tests. Products include tests for pregnancy, infectious diseases, sexually transmitted diseases, fecal occult blood, tumor markers, drugs of abuse, blood glucose, and urine reagent strips.

Acon Laboratories

USA • San Diego, CA
Tel: (1) 858-875-8000
Web: www.aconlabs.com
E-mail: info@aconlabs.com

Provides rapid diagnostic products. The product line includes items for fertility, urine drugs of abuse, multidrug tests, oral fluid drugs of abuse, cotinine, urine adulteration, infectious disease, cardiac and tumor markers. Recently added products include a blood glucose monitoring system, urinalysis reagent strips, thermometers, and blood pressure monitors.

Adaltis

Italy • Rome
Tel: (39) 0774-5791
Web: www.adaltis.net
E-mail: info@adaltis.net

Develops, manufactures, and markets in vitro diagnostic systems and reagent products to detect viral infections, diagnose immune system diseases, and measure human hormone responses.

Adam Equipment

UK • Milton Keynes, Buckinghamshire
Tel: (44) 1908-274-545
Web: www.adamequipment.com
E-mail: sales@adamequipment.co.uk

Manufactures and distributes a complete range of balances and scales for medical, laboratory, education, and industrial markets.

Advanced Biotechnologies

USA • Columbia, MD
Tel: (1) 410-792-9779
Web: www.abionline.com

Specializes in the manufacture and development of products and services for the

research, diagnosis, monitoring, and treatment of viral infectious diseases.



Advanced Instruments

USA • Norwood, MA
Tel: (1) 781-320-9000
Web: www.aicompanies.com
E-mail: info@aicompanies.com

Supplies instrumentation for clinical, phar-

maceutical, biotechnology, microbiology, and food laboratories. Primarily known for the application of freezing-point depression technology, current products have expanded to also include cytology, infrared, and image analysis.

► SEE AD ON PAGE 32

Aeon Technology

China • Shenzhen
Tel: (86) 755-8618-2140
Web: www.aeon-med.com
E-mail: raymond@aeon-med.com

Designs and produces clinical diagnostic equipment, as well as containers and disposables.

Manufacturer of Laboratory Supplies



EXTENSIVE SELECTION FROM ONE SOURCE

- Analyzer Consumables
- Biohazard Specimen Bags
- Beakers, Bottles, Cylinders
- Blood Collection Products
- Centrifuge Tubes
- Cryogenic Tubes & Accessories
- Cytology Products
- Drug Test Containers
- ESR Systems
- Formalin Filled Containers
- Funnels
- Histology Cassettes
- Inoculation Loops
- Microhematocrit Tubes
- Microscope Slides & Accessories
- Multi-Well Plates
- Pipettors & Pipette Tips
- Serological Pipettes
- Test Tubes & Racks
- Transfer Pipets
- Urinalysis Products
- Weighing Dishes

610 Winters Avenue • Paramus, NJ 07652 • USA
www.globescientific.com • 1-201-599-1400
mail@globescientific.com

AES Chemunex

France • Bruz
Tel: (33) 2 23 50 12 12
Web:
www.aeschemunex.com
E-mail: contact@aeschemunex.com
Manufactures and markets a comprehensive range of tests, rapid analyzers, and lab automation equipment for microbiology laboratories, including culture media, and media preparation equipment.

AESKU Diagnostics

Germany • Wendelsheim
Tel: (49) 6734-9627-0
Web: www.aesku.com
E-mail: info@aesku.com
Distributes ELISA kits for diagnostics of autoimmune diseases, including the AESKULISA product line. The main indications are rheumatology, antiphospholipid syndrome (APS), vasculitis, gastroenterology, hepatology, and diabetes.

Affinity Biologicals

Canada • Ancaster, ON
Tel: (1) 905-304-9896
Web: www.affinitybiologicals.com
E-mail: info@affinitybiologicals.com

Manufactures antibodies, purified proteins, control plasmas, calibrator plasmas, ELISA kits, and factor-deficient plasmas prepared by immunoaffinity chromatography.

Agappe Diagnostics Switzerland

Switzerland • Cham
Tel: (41) 41-780-60-10
Web:
www.agappeswiss.com
E-mail:
info@agappeswiss.com
Manufactures products and immunoturbidimetry reagents for clinical chemistry, serology, serum protein, coagulation, and HbA1c analyzer.

Alere

USA • Waltham, MA
Tel: (44) 1234-759900
Web: www.alere.com
Develops rapid point-of-care diagnostics that focus on infectious disease, cardiology, oncology, drugs of abuse, and women's health.

Alfa Scientific Designs

USA • Poway, CA
Tel: (1) 858-513-3888
Web:
www.alfascientific.com
E-mail:
info@alfascientific.com
Develops and manufactures rapid in vitro diagnostic devices to serve the point-of-care marketplace. The company focuses on rapid immunoassays including those for the detection of drugs of abuse, fertility hormones, infectious diseases, cardiac and cancer markers.

Alfa Wassermann

Netherlands • Woerden
Tel: (31) 348-487-300
Web:
www.alfawassermann.com
E-mail:
office@alfawassermann.nl
Develops and manufactures instruments and products designed for use in diagnostic applications in clinical chemistry laboratories.

Alifax

Italy • Padua
Tel: (39) 49-099-2000
Web: www.alifax.com
E-mail: info@alifax.com
Specializes in diagnostics, and offers the biotechnology field a diagnostic as well as a medical line, along with laboratory equipment and disposables.

All.Diag

France • Strasbourg
Tel: (33) 3 88 78 80 88
Web: www.alldiag.com
E-mail: info@alldiag.com
Specializes in the development and the distribution of rapid diagnostic tests, both in the human and veterinary fields.

American Biochemical & Pharmaceuticals

UK • London
Tel: (1) 856-988-5492
Web: www.abpcorp.com
E-mail: pbyrne@abpcorp.com
Develops, manufactures, and markets products necessary for hemostasis, thrombosis, and platelet function.



Ameritek USA

USA • Everett, WA
Tel: (1) 425-379-2580
Web: www.ameritek.org
E-mail: info@ameritek.org
Develops and manufactures rapid test kits for point-of-care markets and ELISA kits for laboratories. The test kits are used to detect a number of conditions such as pregnancy, ovulation, various infectious diseases, tumors, allergies, drugs of abuse, heart, kidney, and liver functions.

▶ SEE AD ON PAGE 19

AMS

Italy • Rome
Tel: (39) 0774-354441
Web:
www.ams-analyzers.com
E-mail:
info@ams-analyzers.com
Produces and exports automatic analyzers for clinical chemistry and nephelometric assays, with a wide range of products that fully adapts to the needs of different sized laboratories.

Analyticon Biotechnologies

Germany • Lichtenfels
Tel: (49) 6454-7991-0
Web: www.analyticon-diagnostics.com
E-mail:
info@analyticon-diagnostics.com

Specializes in complete system solutions for small- to medium-sized labs, including analyzers, reagents, controls, and calibrators. Product lines focus on clinical chemistry, hematology, coagulation, and urinalysis.

Ani Labsystems

Finland • Vantaa
Tel: (358) 20-155-7530
Web: www.anilabsystems.com
E-mail: sales@anilabsystems.com
Develops and manufactures diagnostic kits for clinical and research laboratories including high-quality EIA kits for various infectious dis-

eases, neonatal screening, and other disorders.



Apel

Japan • Saitama
Tel: (81) 48-280-3055
Web: www.apel.co.jp
E-mail: sales@apel.co.jp
Produces medical and analytical devices including hemoglobin and bilirubin meters, as well as colorimeters and spectrophotometers.

▶ SEE AD ON PAGE 24

Apex Biotechnology

Taiwan • Hsinchu
Tel: (886) 3-564-1952

Web: www.apexbio.com
Manufactures surgical and medical instruments, as well as being involved in the development and production of testing products for blood glucose, cholesterol, hemoglobin, and blood uric acid.

Argutus Medical An EKF Diagnostics Company

Dublin • Ireland
Tel: (353) 1-670-8576
Web: www.argutusmed.com
E-mail: info@argutusmed.com
Develops and manufactures ELISAs and rapid tests for detection of acute injury to the kidney and liver, as well as offering a range of additional assays and antibodies.

Aries Filterworks

USA • West Berlin, NJ

**Penny says:
it's time to save**

Save money:

- The most energy efficient 700 litre -86°C
- Up to 55% reduced energy use¹⁾
- Up to € 5.000 energy costs over the life cycle
- Less heat generated saving on air conditioning

Less environmental impact:

- Reduce carbon footprint
- No high GWP

Panasonic
www.panasonic.eu/biomedical

¹⁾ Mode 1 (100% defrost) (litres) compared to standard at standard ambient, 100% defrost, 100% energy saving and saving on air conditioning

Tel: (1) 856-768-9600
 Web: www.arieswater.com
 E-mail: info@arieswater.com

Aries Filterworks manufactures, ultra-pure water systems, general deionization, and water purification cartridges for the scientific community.

Arista Biologicals

USA • Allentown, PA
 Tel: (1) 484-223-0309
 Web: www.aristabiologicals.com
 E-mail: info@aristabiologicals.com

Designs, develops, manufactures and markets reagents for the rapid diagnostic test industry. Reagents produced are used in rapid tests for pregnancy, drug abuse, infectious diseases, etc. Custom applications include tumor markers and other disease state applications.

Artel

USA • Westbrook, ME
 Tel: (1) 888-406-3463
 Web: www.artel-usa.com
 E-mail: info@artel-usa.com
Focuses on improving process productivity and quality by providing easy-to-use systems for validating liquid delivery performance.

Astech

Japan • Tokyo
 Tel: (81) 03-3366-0811
 Web: www.astechcorp.co.jp
Designs and produces scientific instruments such as generators and micro-processor-controlled matching network products.

Astra Biotech

Germany • Luckenwalde
 Tel: (49) 3371-681-450

Web: www.astrabiotech.de
 E-mail: info@astrabiotech.de
Offers a wide range of reagents and diagnostic kits for detection of human hormones, genetic diseases, tumor markers, and allergens.

Atlas Link

USA • Manassas, VA
 Tel: (1) 703-366-3851
 Web: www.atlaslink-inc.com
 E-mail: info@atlaslink-inc.com
Manufactures IVD test kits and supplies generic and branded pharmaceuticals, medical disposables, medical and laboratory equipment, and blood glucose and cholesterol monitoring products.

▶ SEE AD ON PAGE 18

Asan Pharmaceutical

Korea • Seoul
 Tel: (82) 70-8250-7839
 Web: www.asanpharm.co.kr
 E-mail: global@asanpharm.co.kr
Offers diagnostic products such as DNA chip and protein chip. The company plans to develop vaccines for HBV, HCV, and also new drugs for hepatitis.

Audit Diagnostics

Ireland • Carrigtwohill, Co. Cork
 Tel: (353) 21-453-3652
 Web: www.auditdiagnostics.ie
 E-mail: info@auditdiagnostics.ie
Provides clinical chemistry reagents and analyzers. Products include a range of liquid ready-to-use reagents for all types of routine analyzers from semiautomated to fully automated systems. Other products include a Direct Replacement Bar-Coded reagent line for the Hitachi, Olympus, Kone and Express range of Analyzers.

Axis-Shield

UK • Dundee
 Tel: (44) 1382-422-000
 Web: www.axis-shield.com
 E-mail: shield@axis-shield.com
Develops and manufactures in vitro tests. Recent attention was given to more effective testing at point-of-care, along with existing products for risk assessment of cardiovascular and neurological disease.

BBInternational

UK • Cardiff
 Tel: (44) 2920-747232
 Web: www.bbighold.com
 E-mail: info@bbighold.com
Supplies diagnostic and therapeutic reagents and conjugates, gold and silver labeling of proteins and oligonucleotides, as well as quality control sera for molecular diagnostic tests.

BD Diagnostics

USA • Franklin Lakes, NJ
 Tel: (1) 201-847-6800
 Web: www.bd.com
Manufactures and sells medical supplies, devices, laboratory equipment, and diagnostic products.

Beckman Coulter

USA • Brea, CA
 Tel: (1) 714-993-5321
 Web: www.beckmancoulter.com
Manufactures biomedical testing instrument systems, tests and supplies that simplify and automate laboratory processes.

Bel-Art Products

USA • Wayne, NJ
 Tel: (1) 800-423-5278
 Web: www.belart.com
 E-mail: salesdept@belart.com
Manufactures and distributes a wide variety of labware items. Manufacturing capabilities include injection, blow, vacuum and rotomolding, plastic and metal machining and fabrication, wire forming, and custom coating.

Berthold Technologies

Germany • Bad Wildbad
 Tel: (49) 7081-177-0
 Web: www.berthold.com
 E-mail: info@berthold.com
Offers a broad line of bioanalytical instruments including gamma counters, luminometers, fluorimeters, imaging systems, and HPLC detectors.

Bertin Technologies

France • Paris
 Tel: (33) 1 39 30 60 00
 Web: www.bertin.fr
Focuses on laboratory instrumentation and equipment including sample preparation, PLC for clinical diagnosis and food safety, and medical devices.



Autobio Diagnostics

China • Zhengzhou
 Tel: (86) 371-6798-5313
 Web: www.autobio-diagnostics.com
 E-mail: info@autobio-diagnostics.com
Develops and manufactures clinical diagnostic products including ELISA, chemiluminescence immunoassays, microbiology, and POCT.

▶ SEE AD ON PAGE 5

AutoGenomics

USA • Vista, CA
 Tel: (1) 760-477-2251
 Web: www.autogenomics.com
 E-mail: info@autogenomics.com
Provides automated microarray-based multiplexing molecular diagnostic platforms that can be used to assess disease signatures with genomic and proteomic markers in the area of genetic disorders, infectious diseases, cancer, and pharmacogenetics.

Awareness Technology

USA • Palm City, FL
 Tel: (1) 772-283-6540
 Web: www.awaretech.com
Designs and manufactures clinical laboratory equipment. Products include the Stat Fax brand chemistry analyzers, microplate readers and washers, along with the ChemWell automated analyzers.



Panasonic Eco VIP Ultra-low freezers with natural refrigerants minimise energy consumption, reduce environmental impact and save money. Innovative technology and Class IIa medical device certification provide secure storage of valuable research and clinical samples. Save now... with our new Eco VIP -86°C Ultra-low freezers.

LINKXPRESS.COM ▶ LMI-01-13 127

Panasonic... the new name for SANYO

Energy efficient freezer
 production in
 savings on
 over 10 years¹⁾
 operation means
 conditioning
 minimal impact
 on footprint
 refrigerants

¹⁾ KM-DU53Y1E (526 compared to MDF-U53V net value -80°C, 23°C no load, 230V 50Hz, n. Actual energy use savings will depend on operating conditions.

Binding Site, The

UK • Birmingham
Tel: (44) 121-436-9500
Web: www.bindingsite.com
E-mail: customerservices@bindingsite.co.uk

Specializes in providing antiserum protein and immunoglobulin antisera and conjugates, disease state plasma especially autoimmune and myeloma specificities, purified proteins including myeloma, HBsAg, CRP, SHBG and Arotec Diagnostics Autoimmune Antigens and clinical patient samples for use in the investigation of human and veterinary diseases.

Bio Focus

Korea • Uiwang
Tel: (82) 70-7791-3034
Web: www.biofocus.co.kr
E-mail: info@biofocus.co.kr
Manufactures products for IVD and point-of-care testing.



Bio-Rad Laboratories

USA • Hercules, CA
Tel: (1) 510-724-7000
Web: www.bio-rad.com
E-mail: diagcs@bio-rad.com
Provides a full range of instrumentation, reagent kits, software and quality control systems to clinical laboratories. Areas of expertise include autoimmune, infectious disease, diabetes monitoring, hemoglobin screening, quality control, HIV, and hepatitis testing.

▶ SEE AD ON PAGE 17

Bio-Tek Instruments

USA • Winooski, VT
Tel: (1) 802-655-4740
Web: www.biotek.com
E-mail: sales@biotek.com
Developer and supplier of microplate instrumentation and software solutions used in drug discovery, genomics and proteomics, and life science research.

BioAssay Works

USA • Ijamsville, MD
Tel: (1) 301-874-8888
Web: www.bioassayworks.com
E-mail: sales@bioassayworks.com
Offers gold sol nanoparticles (10 to 50

OD), gold conjugates, and rapid assay development services, including custom conjugation.

Bioer Technology

China • Hangzhou
Tel: (86) 571-8777-4575
Web: www.bioer.com.cn
E-mail: overseas@bioer.com.cn

Focuses on researching and manufacturing high-tech products for life science applications including instrumentation, related reagents, disposables, general lab equipment, and temperature baths.

Biohit HealthCare

Finland • Helsinki
Tel: (358) 9-773-861
Web: www.biohithealthcare.com
E-mail: cs@biohit.fi

Develops, manufactures, and markets liquid handling products and accessories, as well as diagnostic test systems. Products include test kits based on the enzyme immunoassay (EIA) method and monoclonal antibodies for the screening of diseases; and microplate readers and washers.

Biokit

Spain • Barcelona
Tel: (34) 93-860-9000
Web: www.biokit.com
E-mail: biokit@biokit.com
Researches, manufactures and distributes clinical diagnostics reagents. Products include coagulation, and blood gas reagents.

Biolabo

France • Maizy
Tel: (33) 323 25 15 50
Web: www.biolabo.fr
E-mail: info-societe@_biolabo.fr
Produces reagents and offers a comprehensive range of kits for biochemistry, coagulation and specific proteins. The company also produces polyvalent QC Sera and multicalibrators for biochemistry.

Biologix Research Company

USA • Lenexa, KS
Tel: (1) 913-648-8575
Web: www.biologixgroup.com
E-mail: ellen@biologixgroup.com
Manufactures and supplies high-quality plastic laboratory supplies including containers, disposables, pipettes, and liquid handling systems.

Biomat

Italy • Rovereto
Tel: (39) 0464 443320
Web: www.immunosurface.com
E-mail: biomat@tin.it
Manufactures microplates for immunoassays and research, with a wide range of surfaces. The company also offers surface modification services for biomedical applications.

Biomedical Polymers

USA • Gardner, MA
Tel: (1) 978-632-2555
Web: www.biomedicalpolymers.com
E-mail: sales@biomedicalpolymers.com
Manufactures plastic consumables for research and medical diagnostic laboratories.

Biomerica

USA • Irvine, CA
Tel: (1) 949-645-2111
Web: www.biomerica.com
E-mail: bmra@biomerica.com
Develops, manufactures, and sells products designed to detect diseases in the areas of cancer, cardiology, fertility, gastroenterology, diabetes, allergy, and infectious diseases.

BioMerieux

France • Marcy l'Etoile
Tel: (33) 4-7887-2000
Web: www.biomerieux.com
Designs, develops, manufactures and markets in vitro diagnostics systems used in clinical and industrial applications.

BioPorto Diagnostics

Denmark • Gentofte
Tel: (45) 4529-0000
Web: www.bioporto.com
E-mail: info@bioporto.com
Focuses on diagnosis and monitoring of critically ill patients by means of analyses suitable for point-of-care (POC) testing.

BioSampling Systems

France • Paris
Tel: (33) 1-34-30-42-00
Web: www.biosamplingsystems.com
E-mail: marketing@biosamplingsystems.com
Provides full sample management solutions such as software, automates, readers, accessories, and consumables for pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, and research institutions.

Biosearch Technologies

USA • Novato, CA
Tel: (1) 415-883-8400
Web: www.biosearchtech.com
E-mail: info@biosearchtech.com
Designs and manufactures nucleic acid-based products that accelerate the discovery and application of genomic information.

Biosigma

Italy • Cantarana Di Cona
Tel: (39) 4-2630-2224
Web: www.biosigma.com
E-mail: magazzino@biosigma.com
Specializes in the production of optical multi-sample cuvettes and cups, as well as a wide range of disposable labware.

Biosino Bio-Technology & Science

China • Beijing
Tel: (86) 10-6972-2840
Web: www.zhongsheng.com.cn
E-mail: biosino@zhongsheng.com.cn
Develops, manufactures, and markets clinical chemistry reagents. Products include one-step rapid test kits, clinical chemistry reagent kits, as well as immunology reagent kits.



BioSystems

Spain • Barcelona
Tel: (34) 93-311-0811
Web: www.biosystems-sa.com
Develops and manufactures reagents and instruments for clinical analysis.

▶ SEE AD ON PAGE 33

Biotech Company of China

China • Nanchang
Tel: (86) 791-8816-8999
Web: www.biotech.com.cn
E-mail: overseas@biotech.com.cn
Provides a range of diagnostic instruments and reagents for medical and clinical applications.

Biotechnica Instruments

Italy • Rome
Tel: (39) 6-411-2316
Web: www.biotechnica.it
E-mail: bt@biotechnica.it
Designs and manufactures standard and OEM clinical chemistry equipment and relevant reagent products intended for private and state clinical laboratories including photometers, automatic analyzers, and ion selective analyzers.

Biotrin International

Ireland • Dublin
Tel: (353) 1 283 1166
Web: www.biotrin.com
E-mail: info@biotrin.ie
Develops and manufactures biomarker assays used in drug development, toxicology, clinical trials, diabetes, hepatitis monitoring, and transplantation. The Smartassays range enables renal and hepatic effects to be identified earlier and at lower doses of test substance.

Biotron Diagnostics

USA • Hemet, CA
Tel: (1) 951-658-7766
Web: www.biotrondiagnostics.com
E-mail: sales@biotrondiagnostics.com
Develops and manufactures a complete line of kits and reagents for IVD.

Block Scientific

USA • Bohemia, NY
Tel: (1) 631-589-1118
Web: www.blockscientific.com
E-mail: info@blockscientific.com
Provides reconditioned laboratory equipment as an alternative to purchasing new. Areas of specialty include blood gas, electrolyte, chemistry and hematology, with products such as consumables, parts, reagents, and technical service also available.

Blue Cross Bio-Medical

China • Beijing
Tel: (86) 10-6975-6015
Web: www.bcbmcn.com
E-mail: export@bcbmcn.com
Manufactures in vitro rapid test kits. Main products include the test strips and cassettes for fertility, hepatitis B&C, drugs of abuse, infectious diseases, tumor marker, and sexually transmitted diseases.

Boule Medical

Sweden • Stockholm
Tel: (46) 8-7447700
Web: www.boule.se
Manufactures automatic blood cell counters/hematology instruments and reagents for human and veterinary medicine.

BPC BioSed

Italy • Rome
Tel: (39) 6-907-3666

ARAB HEALTH 2013
Booth No.: RM38
28 - 31 Jan. 2013

Special For CLINIC

- Auto Biochemistry Analyzer
- Auto Hematology Analyzer
- IVD Reagents

TEC200
Biochemistry Analyzer
0.548x0.422x0.383 m ±21.5kg

TEK-II MINI
Hematology Analyzer

TEK-5000
Hematology Analyzer

TC6090
Biochemistry Analyzer

IVD Reagent

Tecom Science Corporation
Tel: +86(791)88110293 Fax: +86(791)88111989
E-mail: sales@tecom-cn.com Web: www.tecom-cn.com

Faster and easier to use!



5-Second Pipettes from BRAND!



The 5-second-pipettes from BRAND feature reduced waiting time, simplified handling and the highest accuracy!

Bulb pipettes

- DIN EN ISO 648 standard with reduced waiting time for class AS pipettes – from 15 to only 5 seconds!

Graduated pipettes

- DIN EN ISO 835:
 - Type 2, nominal volume at the top, for class AS pipettes
 - Set the meniscus only once
 - Reduced waiting time for all class A graduated pipettes from 15 to only 5 seconds

More information: www.brand.de

LINKXPRESS.COM LMI-01-13 270

Pipetting made easy!

macro Pipette Controller

With one small sensitive lever, filling and delivery are easily controlled. The ergonomic design and light weight minimize operating forces.



- For pipettes from 0.1 - 200 ml
- The replaceable membrane filter protects against liquid penetration
- Fully autoclavable
- Effortless and fatigue-free pipetting

More information: www.brand.de

LINKXPRESS.COM LMI-01-13 271

Ease your labwork

Everything under control!

The innovative **accu-jet® pro** pipette controller makes your work easier than you thought possible!

- Ergonomic handgrip, perfectly balanced
- Small, light and powerful – convenient serial pipetting!
- Superior continuously variable pipetting speed control
- Motor speed limiter
- Single-handed operation
- LED recharging indicator



BRAND GMBH + CO KG
97877 Wertheim (Germany)
Tel.: +49 9342 808-0
www.brand.de · info@brand.de



Web: www.bpcbiosed.it
E-mail: info@bpcbiosed.it

Designs and manufactures clinical chemistry automatic analyzers. The company also offers a series of instruments including the GLOBAL 300, an analyzer based on direct reading technology, and the GLOBAL 4500 DR.

BRAHMS

Part of Thermo Fisher Scientific

Germany • Hennigsdorf
Tel: (49) 3302-8830
Web: www.brahms.de
E-mail: info.brahms@thermofisher.com

Provides testing materials for research of thyroid diseases, autoimmune diseases and life-threatening infections. The company also introduced a quick sepsis test in the point-of-care format and TRAK-human, a procedure for the diagnosis of Graves disease.



Brand

Germany • Wertheim
Tel: (49) 9342-808-0
Web: www.brand.de
E-mail: info@brand.de

Develops, produces and supplies measuring and dispensing instruments. Product applications include chemistry, medicine, pharmacy and biotechniques.

▶ SEE AD ON PAGE 29

Bühlmann Laboratories

Switzerland • Schönenbuch
Tel: (41) 61-487-12-12
Web: www.buhmannlabs.ch
E-mail: info@buhmannlabs.ch

Produces a range of diagnostic tests and analyzers including rapid tests, ELISAs, and molecular diagnostics solutions.

Calbiotech

USA • Spring Valley, CA
Tel: (1) 619-660-6162
Web: www.calbiotech.com
E-mail: info@calbiotech.com

Specializes in the custom design of immunoassays including ELISA, ultra-sen-

sitive Chemiluminescence ELISA, RIA, and assays for multiplexing platforms. The company also offers products for in vitro research such as endocrine markers, cardiac markers, cancer markers, drugs of abuse, infectious disease, and autoimmune markers.

Callegari

Italy • Parma
Tel: (39) 05-21-273274
Web: www.callegari1930.com
Provides a range of user-friendly instruments for point-of-care testing in various medical applications.

Canterbury Scientific

New Zealand • Christchurch
Tel: (64) 3-343-3345
Web: www.canterburyscientific.com
E-mail: info@canterburyscientific.com
Manufactures freeze-dried and ready-to-use liquid quality hemoglobin controls for hematology and biochemistry diagnostic tests. Products are used for monitoring blood tests and calibrating equipment and processors on in vitro diagnostic analyzers.

Capp

Denmark • Odense
Tel: (45) 6613-6140
Web: www.capp.dk
E-mail: info@capp.dk
Develops and manufactures laboratory liquid handling instruments. Products include pipettes, pipette tips, and microplate washers.



Caretium Medical Instruments

China • Shenzhen
Tel: (86) 755-2527-3714
Web: www.caretium.com
E-mail: info@caretium.com
Develops and manufactures products that include biochemistry analyzers, microplate readers, electrolyte analyzers, and erythro sedimentation rate analyzers.

▶ SEE AD ON PAGE 41

Carl Zeiss Microlmaging

Germany • Jena
Tel: (49) 3641-64-0
Web: www.zeiss.de/micro
E-mail: micro@zeiss.de
Specializes in the optical and optoelectronic

industries. The company products for semiconductor and optoelectronic technology, life sciences, health care, and eye care.



Carolina Liquid Chemistries

USA • Winston-Salem, NC
Tel: (1) 336-722-8910
Web: www.carolinachemistries.com
E-mail: pgshugart@carolinachemistries.com
Manufactures reagents for use on the Olympus Au series of instruments, along with Beckman Coulter's Synchron CX, DxC, and LX platforms. The company also offers reagents for use on Prestige 24i, BioLis 24i, and Sirrus instruments.

▶ SEE AD ON PAGE 45

Carperlabs

Colombia • Bogota
Tel: (571) 440-9354
Web: www.carperlabs.com
Manufactures and merchandizes reagents for in vitro diagnostics for use in clinical laboratories and blood banks.

Cecil Instruments

UK • Cambridge
Tel: (44) 1223-420-821
Web: www.cecilinstruments.com
E-mail: info@cecilinstruments.com
Designs and manufactures HPLC systems, ion chromatographs, and UV/visible spectrophotometers.

Cellasys

Germany • Kronburg
Tel: (49) 8394-257929
Web: www.cellasys.com
E-mail: info@cellasys.com
Offers systems solutions for online analysis of living cells, including services such as research and development, production, and maintenance of cell-based assays.



CellaVision

Sweden • Lund
Tel: (46) 46-286-4400
Web: www.cellavision.com
E-mail: info@cellavision.com

Develops software products and hardware platforms for the healthcare sector. The company offers two product lines, both stemming from cell databases: DiffMaster Octavia and CellaVision DM systems are for automated differential count of white blood cells and characterization of red morphology.

▶ SEE AD ON PAGE 51

Cepheid

USA • Sunnyvale, CA
Tel: (1) 408-541-4191
Web: www.cepheid.com
E-mail: marketing@cepheid.com
Specializes in clinical molecular diagnostics assays with real-time PCR detection, and focuses on research and development.

Ceragem Medisys

Korea • Cheonan
Tel: (82) 70-8894-2725
Web: www.ceragemmedisys.co.kr
E-mail: sales@ceragemmedisys.com
Designs and manufactures blood diagnostics products including blood glucose monitors, along with POCT products for management of hemoglobin A1c, photodynamic therapy, hemoglobin, and cholesterol.

Certest Biotec

Spain • San Mateo de Gallego
Tel: (34) 976-520-354
Web: www.certest.es
E-mail: nfernandes@cerest.es
Develops and manufactures IVD diagnostic products for human, veterinary, and agricultural clinical fields.

Chema Diagnostica

Italy • Monsano
Tel: (39) 731-605-064
Web: www.chema.com
E-mail: mail@chema.com
Develops and manufactures a wide range of liquid stable reagents for the clinical chemistry industry.

Chembio Diagnostic Systems

USA • Medford, NY
Tel: (1) 631-924-1135
Web: www.chembio.com
Develops, manufactures, and markets rapid tests for the detection of HIV, TB, Chagas, and other infectious diseases.

Chemclin Biotech

China • Beijing
Tel: (86) 10-5871-7511
Web: www.chemclin.com

Rayto
Global IVD Supplier
♦ Biochemistry ♦ Immunology ♦ Coagulation ♦ Hematology ♦ Urinalysis

- Chemray 120 Auto Biochemistry
- Chemray 420 Auto Biochemistry
- RAC 050 Auto Coagulation
- Hematology Analyzer for Vet

Rayto Life and Analytical Sciences Co., Ltd. www.rayto.com
Tel: +86(755)86168996 Fax: +86(755)86168796 E-mail: info@rayto.com <http://www.rayto.com>

PHTHISIS DIAGNOSTICS

Need Molecular Standards?

Molecular laboratories face difficulties in obtaining consistent and reliable controls to monitor molecular assay performance. Phthisis Diagnostics' innovative solution to improve and simplify quality control is G-Sphere® Molecular Standards.

G-Sphere® Molecular Standards are unique consensus sequences. These synthetic sequences provide stable, consistent, and abundant controls that can be made for virtually any organism and virtually any molecular assay.

Contact Phthisis Diagnostics to place a custom order.
See our web site for a list of available products.

www.phthisisdiagnostics.com
705 Dale Avenue, Charlottesville, VA 22903
Tel +1.434.293.8180 Fax +1.434.382.0607

LINKXPRESS.COM ▶ LMI-01-13 110

E-mail: BD@chemclin.com

Specializes in the development, manufacture, and distribution of IVD reagents and instruments.

Chemtron Biotech

China • Shanghai
Tel: (86) 21-6812-9988
Web: www.chemtronbio.com
E-mail: sales2@chemtronbio.com

Specializes in the development, manufacture and marketing point-of-care (POC) in vitro immunodiagnostic rapid tests for the detection and management of pregnancy, ovulation fertility, infectious diseases, cancers, drugs of abuse, myocardial tissue damage and the onset of menopause. Sample formats include test strips, cassettes, mid-stream, and cups.

Chromsystems Instruments & Chemicals

Germany • Munich
Tel: (49) 89-18930-0
Web: www.chromsystems.de
E-mail: mailbox@chromsystems.de

Offers an easier method for routine clinical diagnostic procedures with simple applications.

Chronolab

Spain • Barcelona
Tel: (34) 9-3213-5917
Web: www.chronolab.com

Produces and distributes diagnostic reagents, as well as laboratory equipment. The company also works with digital image analysis and its transfer, aiming to enable experts to look at the image of blood smear.

Clinical Diagnostic Solutions

USA • Plantation, FL
Tel: (1) 954-791-1773
Web: www.cdsolinc.com

Manufacturer of high quality, low cost instrumentation, reagents, controls, and calibrators.

Copan Diagnostics

Italy • Brescia
Tel: (39) 030-268-7211
Web: www.copanswabs.com
E-mail: info@copanitalia.com

Manufactures and distributes laboratory products including transfer pipettes, TOA caps, and autoanalyzer cups.

Corgenix

USA • Broomfield, CO
Tel: (1) 303-457-4345
Web: www.corgenix.com
E-mail: info@corgenix.com

Develops, manufactures and markets clinical laboratory diagnostic products. The REAADS product range of ELISA-based assays focuses on the diagnosis and management of selected autoimmune disorders, vascular disease, and thrombotic tendency using immunological technology.

Coris BioConcept

Belgium • Gembloux
Tel: (32) 81-719-917
Web: www.corisbio.com
E-mail: info@corisbio.com

Develops, manufactures, and markets a wide range of rapid antigen tests for detection of enteric, gastric, and respiratory diseases.

Cormay

Poland • Lomianki
Tel: (48) 22-751-79-10
Web: www.cormay.pl
E-mail: office@cormay.pl

Designs and manufactures a range of products for clinical chemistry, hematology, electrophoresis, coagulation, and specific proteins.

Cornley Hi-Tech

China • Shenzhen
Tel: (86) 755-8633-0432
Web: www.cornley.com
E-mail: emily@cornley.com

Manufactures diagnostic analyzers, including equipment for electrolytes analysis, blood gas analysis, and TCO2 analysis.

Crony Instruments

Italy • Rome
Tel: (39) 6-4396432
Web: www.crony.com
E-mail: mail@crony.com

Develops and manufactures a wide range of instruments for use in clinical chemistry, immunology, and coagulation.

Cytocell

UK • Cambridge
Tel: (44) 1223-294048
Web: www.cytocell.com
E-mail: s.kennedy@cytocell.com

Develops and manufactures FISH probes for use in both routine cytogenetics and in the analysis and classification of various types of cancer.

Cytognos

Spain • Santa Marta de Tormes
Tel: (34) 923-125-067
Web: www.cytognos.com
E-mail: admin@cytognos.com

Designs and develops new reagents, software, and techniques that offer solutions in the field of flow cytometry.

Da An Gene

China • Guangzhou
Tel: (86) 20-3229-0789-205
Web: www.daangene.com
E-mail: daangene1@gmail.com

Produces and services IVD products, including PCR, TRF, ELISA and RAPID diagnostic kits and equipment.

Dako

An Agilent Technologies Company

Denmark • Glostrup
Tel: (45) 44-85-95-00
Web: www.dako.com
E-mail: contact@dako.com

Specializes in cancer research, new discoveries in medicine, clinical diagnostics, disease management and personalized medicine.

A CHOICE OF EXCELLENCE FOR RESEARCH OR ROUTINE PIPETTING

Extra sharp micropipettes new

Acura® manual XS 826 - Reduced weight and size, allied with remarkable smooth shape and activation, contribute to superior drivability and comfort. **The reliable research specialist for high performance.**

Universal micropipettes

Acura® manual 825 - Classical line, with the same ergonomics, tip ejection adjustment, **swift-set** calibration and longevity advantages as the XS 826. **The outstanding winner for all applications.**

-
-
-
-
-
-

FOR MORE INFORMATION CONTACT:

SOCOREX ISBA SA
 Champ-Colomb 7
 1024 Ecublens / Lausanne
 Switzerland
 Tel. +41 (0)21 651 6000
 Fax +41 (0)21 651 6001
 socorex@socorex.com
www.socorex.com

Das

Italy • Rome
Tel: (39) 0774-637070
Web: www.dasitaly.com

Designs and manufactures analyzers and automated equipment. Main fields of application are immunoenzymatic, immunofluorescence, and clinical chemistry.

Delcon

Italy • Milan
Tel: (39) 039-617670
Web: www.delcon.it

Manufactures blood bank equipment, laboratory refrigerators, and molecular biology devices. Company also distributes slide stainers, osmometers, cystic fibrosis diagnostic devices, and liquid nitrogen containers.

Deltalab

Spain • Barcelona
Tel: (34) 93-699-5000
Web: www.deltalab.es
E-mail: export@deltalab.es

Manufactures a range of containers and disposables, along with pipettes and liquid handling systems.

Denka Seiken

Japan • Tokyo
Tel: (81) 3-6214-3236
Web: www.denka-seiken.jp
E-mail: seiken@denka-seiken.co.jp

Develops, manufactures, and distributes in vitro diagnostic reagents and vaccines. Top export products include direct and automatable HDL and LDL reagents, latex-enhanced serum protein tests for hsCRP, rheumatoid factor, myoglobin, ferritin and others, as well as rapid diagnostic test kits for MRSA, E. coli O157, parvo B19, Norwalk-like and influenza viruses.

DFI

Korea • Gimhae
Tel: (82) 55-346-1882
Web: www.cybow.com
E-mail: info@cybow.com

Researches, develops and manufactures in vitro diagnostic products for urinalysis, including the Cybow series of products.

DIA.PRO Diagnostic Bioprobes

Italy • Milan
Tel: (39) 02-2700-7161
Web: www.diapro.it
E-mail: info@diapro.it

Develops and manufactures in vitro immunoassays for the diagnosis of infectious diseases.

Diadexus

USA • South San Francisco, CA
Tel: (1) 650-246-6400
Web: www.diadexus.com

Diadexus' lead product, the PLAC test, is a blood test that measures the concentration of lipoprotein-associated phospholipase A2 (Lp-PLA2), a novel risk factor for coronary heart disease and ischemic stroke.



DiagCor Bioscience

China • Hong Kong
Tel: (852) 2147-4088
Web: www.diagcor.com
E-mail: info@diagcor.com

Provides products and services for the diagnostic healthcare and research sectors, including equipment, instrumentation, and kits for analysis and research.

▶ SEE AD ON PAGE 38

Diagast

France • Loos
Tel: (33) 3-20-96-53-53
Web: www.diagast.com
E-mail: contact@diagast.com

Specializes in the transfusion field, and produces its own immunohematology cells lines, monoclonal antibodies and develops the reagents associated to E.M. technology, microplates, and manual techniques.

Diagnostic Automation / Cortez Diagnostics

USA • Calabasas, CA
Tel: (1) 818-591-3030
Web: www.rapidtest.com
E-mail: onestep@rapidtest.com

Manufactures and supplies rapid tests, ELISA, IFA, chemiluminescence, and serology kits.



Diagnostica Stago

France • Asnières sur Seine
Tel: (33) 1-4688-2020
Web: www.stago.com
E-mail: webmaster@stago.com

Offers a complete system of hemostasis instrumentation and optimized reagent kits for research, as well as for routine analysis.

▶ SEE AD ON PAGE 13

Diagnosticum

Hungary • Budapest
Tel: (36) 1-369-07-39
Web: www.diagnosticum.hu
E-mail: business@diagnosticum.hu

Develops and markets biochemistry reagents and immunology kits, with applications for open analyzers.

Diagon

Hungary • Budapest
Tel: (36) 1-369-6500
Web: www.diagon.com
E-mail: diagon@diagon.com

Produces hematology reagents and develops reagents for new hematology analyzers that appear on the market.

Dialab

Austria • Wiener Neudorf
Tel: (43) 2236-660910-0
Web: www.dialab.at
E-mail: office@dialab.at

Manufactures and distributes diagnostics and laboratory equipment, supplying a range of products, based on clinical chemistry reagents, immunological reagents, and coagulation reagents.

Diamedix

An Erba Mannheim Company

USA • Miami, FL
Tel: (1) 305-324-2300
Web: www.diamedix.com
E-mail: customerservice@diamedix.com
Focuses on the development of integrated instrument and reagent systems for both autoimmune and infectious disease detection.

Diametra

Italy • Milan
Tel: (39) 02 2139184
Web: www.diametra.com
E-mail: info@diametra.com

Focuses on the manufacture of ELISA immunoassay kits, as well as offering a wide range of analytes for various applications.

DiaSorin

Italy • Saluggia
Tel: (39) 0161-487526
Web: www.diasorin.com
E-mail: order@diasorin.it

Develops and manufactures reagents for in vitro diagnostics. Areas of specialty include infectious disease, hepatitis, endocrinology, bone and mineral metabolism, cancer, brain injury, cardiac, therapeutic drug monitoring and autoimmunity.



DIAsource ImmunoAssays

Belgium • Nivelles
Tel: (32) 67-88-99-76
Web: www.diasource-diagnostics.com
E-mail: ordering@diasource.be

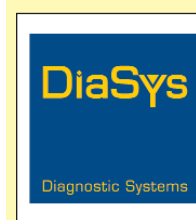
Develops, manufactures, and markets clinical diagnostic products that focus on endocrinology and infectious diseases.

▶ SEE AD ON PAGE 42

DiaSys

UK • Berkshire
Tel: (44) 118-979-5566
Web: www.diasys.com
E-mail: sales@diasys.com

Designs, manufactures, and markets diagnostic products for microbiology and clinical chemistry applications and testing procedures.



DiaSys Diagnostic Systems

Germany • Holzheim
Tel: (49) 6432-9146-0
Web: www.diasys-diagnostics.com
E-mail: info@diasys.de

Focuses on clinical chemistry and immunoturbidimetric tests and has introduced optimized reagents for routine and special diagnostics in kits for manual or automated use.

▶ SEE AD ON PAGE 23

Diatron

Hungary • Budapest
Tel: (36) 1436-9800
Web: www.diatron.com
E-mail: sales@diatron.com

Specializes in the development, manufacturing and marketing of compact hematology analyzers for the human medical, and veterinary markets.

Diazyme Laboratories

USA • Poway, CA
Tel: (1) 858-455-4768
Web: www.diazyme.com
E-mail: sales@diazyme.com

Develops test kits and reagents for the diagnosis of cardiovascular disease, liver disease, cancer markers, renal disease, and electrolytes.

Diesse Diagnostica Senese

Italy • Siena
Tel: (39) 05-77-587111
Web: www.diesse.it
E-mail: salesoffice@diesse.it

Products include: Erythrocyte sedimentation rate test; modular instrument for bacteriological screening and isolation of microorganisms in urine and stool; complete line of Elisa test kits, which offer com-

Advanced BR2 Bilirubin Stat-Analyzer™

Test neonatal bilirubin anywhere

- Total and direct bilirubin measurement from one sample
- 30 µL sample volume
- Proven accuracy
- Low cost per test
- Portable design

www.aicompanies.com info@aicompanies.com

ADVANCED INSTRUMENTS, INC.

mon reagents; multiparametric analyzer for infectious diseases and autoimmunity; agglutination tests for CRP, RF, ASO, Febrile Antigens and complement fixation tests for manual procedure.



Dirui Industrial

China • Changchun
Tel: (86) 431-8193-1012
Web: www.dirui.com.cn
E-mail: sherry.lu@dirui.com.cn
Specializes in R&D and manufacturing of products for urine analyzers, including urine strips.

▶ SEE AD ON PAGE 37

DNA Genotek

Canada • Ottawa, ON
Tel: (1) 613-723-5757
Web: www.dnagenotek.com
E-mail: info@dnagenotek.com
Develops products that enable easy collection, stabilization, transportation, and preparation of DNA and RNA samples.

Dometic Medical Systems

Luxembourg • Hosingen
Tel: (352) 920-731-1
Web: www.dometic.lu
E-mail: info@dometic.lu
Offers special refrigerators, deep freezers, storage, transport concepts for laboratory, medicine, research, biotechnology, and life sciences.

Dragon Medical

China • Shanghai
Tel: (86) 10-8565-3451
Web: www.dragon-med.com
E-mail: info@dragon-med.com
Manufactures laboratory instruments for researchers in both the scientific and clinical fields, focusing on two product lines: liquid-handling devices – including mechanical electronic and autoclavable pipettes, and pipetting aids – and diagnostic instruments, such as erythrocyte sedimentation rate analyzers.



DRG International

USA • Springfield, NJ
Tel: (1) 978-564-7555
Web: www.drg-international.com
E-mail: orders@drg-international.com
Manufactures and distributes enzyme immunoassays, rapid tests, saliva tests, tumor tests, radio immunoassays, and lab equipment.

▶ SEE AD ON PAGE 34

Drucker Company, The

USA • Port Matilda, PA
Tel: (1) 814-692-7661
Web: www.thedruckercompany.com
E-mail: sales@druckerco.com
Develops, manufactures, and markets a wide range of centrifuges for use in medical, research, educational, and industrial laboratories.

Dynex Technologies

Czech Republic • Prague
Tel: (42) 220-303-600
Web: www.dynex.cz
E-mail: office@dynex.cz
Manufactures instrumentation and accessories from luminescence detection systems to fully automated ELISA processing systems.

EKF Diagnostics

UK • Cardiff
Tel: (44) 29-20-710570
Web: www.ekfdiagnostics.com
E-mail: info@ekfdiagnostics.com
Develops and manufactures point-of-care analyzers, clinical chemistry reagents, and biomarkers for use in research and the measurement of glucose, lactate, hemoglobin, hematocrit, and HbA1c.



ELGA LabWater

UK • Marlow
Tel: (44) 1628-897000
Web: www.elgalabwater.com
E-mail: websales.uk@veoliawater.com
Specializes in providing purified laboratory water for research and testing, healthcare, and clinical diagnostics applications.

▶ SEE AD ON PAGE 22



ELITech Group


France • Paris
Tel: (33) 0-1-41-45-07-10

Web: www.elitechgroup.com
E-mail: info@elitechgroup.com
Offers a range of products for in vitro diagnostics in clinical chemistry, hemostasis, microbiology, immunology, and electrophoresis.

▶ SEE AD ON PAGE 3





EMD Millipore





USA • Billerica, MA
Tel: (1) 978-715-4321
Web: www.millipore.com
Focuses on bioprocess and bioscience products and is organized into two divisions. The Bioprocess division offers solutions for the development and manufacturing of biologics, while the Bioscience division provides products and applications that improve laboratory productivity.



BioSystems
REAGENTS & INSTRUMENTS

We improve the well-being of people around the world

Since our inception in Barcelona in 1981, at BioSystems S.A. we research, develop, produce and market effective and reliable analytical systems for laboratories around the world

CLINICAL CHEMISTRY


ANALYZERS

QUALITY CONTROL


AUTOIMMUNITY

RAPID TESTS

Visit us at



MEDLAB
Stand RE10



We are committed to working with customers, in order to deliver appropriate, innovative solutions for disease prevention, identification, evaluation and monitoring

Manufactured by: **BioSystems S.A.**
Costa Brava 30, 08030 Barcelona (Spain)
Tel +34-93 311 00 00 biosystems@biosystems.es - www.biosystems.es



Emperor Electronic Technology

China • Shenzhen
Tel: (86) 755-2607-3285
Web: www.china-emperor.com
E-mail: business@china-emperor.com
Specializes in the development, manufacture, and distribution of in vitro devices including chemistry analyzers, urine analyzers, and immunology analyzers.

▶ SEE AD ON PAGE 43

Eppendorf

Germany • Hamburg
Tel: (49) 4053-8010
Web: www.eppendorf.com
E-mail: eppendorf@eppendorf.de
Develops, manufactures, and distributes systems comprising instruments, consumables, and reagents. The company focuses on two areas: bio tools – including pipettes, dispensers, and centrifuges and consumables such as test tubes and pipette tips; and molecular technologies – which includes instruments and systems for cell manipulation, automatic devices for high-throughput screening (HTS), complete systems for DNA multiplication, nucleic acid purification kits, and biochips.



Erba Diagnostics Mannheim

Germany • Mannheim
Tel: (49) 621-8799770

Web: www.erbamannheim.com
E-mail: sales@erbamannheim.com
Provides a range of analyzers and reagents. Products available include photometers and fully automated clinical chemistry analyzers that range from 120 tests/hour to 600 tests/hour including ISE for Na/K/Cl.

▶ SEE AD ON PAGE 7

Erba Lachema

Czech Republic • Brno
Tel: (42) 517-077-111
Web: www.erbalachema.com
E-mail: diagnostics@lachema.com
Develops, manufactures, and markets products for urine analysis, clinical chemistry, and bacterial identification.

Esco Micro

Singapore • Singapore
Tel: (65) 6542-0833
Web: www.escoglobal.com
E-mail: mail@escoglobal.com
Delivers controlled environment, lab and cleanroom equipment solutions to the clinical, life science, research, and industrial laboratory community.

Euro-Diagnostica

Sweden • Malmö
Tel: (46) 40-53-76-00
Web: www.eurodiagnostica.se
E-mail: info@eurodiagnostica.se
Develops, manufactures and markets diagnostic kits and reagents for use in medical assessments. Product applications include clinical autoimmunology, microbiology, histology/cytology, and immunochemistry.

EuroClone

Italy • Milan
Tel: (39) 02-38195-1
Web: www.euroclone.net
E-mail: info@euroclone.it

Specializes in cell biology, cytogenetics, genomics, and proteomics, providing the clinical chemistry industry with instruments, reagents and kits, as well as lab equipment and supplies for contamination control.

Euroimmun

Germany • Lübeck
Tel: (49) 451 58 55 0
Web: www.euroimmun.com
E-mail: euroimmun@euroimmun.de
Produces reagents for medical laboratory diagnostics. Products are for the determination of various antibodies in patent serum in the diagnosis of autoimmune diseases, infectious diseases, and allergies.

Eurospital

Italy • Trieste
Tel: (39) 040 8997 1
Web: www.eurospital.com
Develops and manufactures diagnostic medical devices for the in vitro diagnosis of Celiac diseases, inflammatory bowel disease, Helicobacter pylori, and infectious diseases.

Eurotrol

USA • Burlington, MA
Tel: (1) 978-598-3779
Web: www.eurotrol.com
E-mail: officeusa@eurotrol.com
Provides QC materials to the diagnostic laboratory market, specializing in formulations that mimic human specimens.

Fine Care Biosystems

India • Kalol, Gujarat
Tel: (91) 2674-248241
Web: www.accumaximum.com
E-mail: info@accumaximum.com
Manufactures micropipettes and accessories for use in clinical, research and industrial laboratories under the brand name Accumax. The range of Accumax products include digital variable-volume and fixed-volume micropipettes, minipipettes, spares, and micropipette stand.

Fluid Metering

USA • Syosset, NY
Tel: (1) 516-922-6050
Web: www.fmipump.com
E-mail: pumps@fmipump.com
Manufactures metering pumps and dispensers with a valveless, positive displacement design.

Fluorogenics

UK • Salisbury
Tel: (44) 7719-372198
Web: www.fluorogenics.co.uk
E-mail: mark@fluorogenics.co.uk
Develops and manufactures ambient storage molecular biology reagents, assays, and kits for use in genetic identification, infectious disease detection, veterinary pathology, and applied R&D.

Focus Diagnostics

USA • Cypress, CA
Tel: (1) 562-240-6500
Web: www.focusdx.com
Develops and provides specialized testing services, diagnostic products and anti-infective surveillance and consultative services for the diagnosis, treatment and management of infectious diseases.

Fosun Diagnostics

China • Shanghai
Tel: (86) 21-6076-5718
Web: www.fosun-diagnostics.com
E-mail: shengli@fosunpharma.com
Develops and markets in vitro diagnostic products including real-time quantitative PCR detection systems, microbiology ID and AST systems, clinical chemistry reagents and analyzers, and urine strips and analyzers.

Fujirebio Diagnostics

USA • Malvern, PA
Tel: (1) 610-240-3800
Web: www.fdi.com
E-mail: customerservice@fdi.com
Manufactures monoclonal antibodies designed to detect a variety of tumor markers. These antibodies have also been used to help develop a menu of in vitro diagnostic tests.

Gemmy Industrial

Taiwan • Taipei
Tel: (886) 2-2553-1456
Web: www.gemmy.com.tw
E-mail: gemmy888@gemmy.com.tw
Manufactures laboratory equipment, suction units, autoclaves/sterilizers, and ENT treatment units.

GeneReach Biotechnology

Taiwan • Taichung City
Tel: (886) 4-2463-9869
Web: www.genereach.com
E-mail: sales@genereach.com
Manufactures and markets products for applied nucleic acid detection technology, including equipment and reagents, as well as diagnostic kits for the point-of-care market.

Genius Electronics

China • Shenzhen
Tel: (86) 755-2683-5560
Web: www.geniusmedica.com
E-mail: international@geniusmedica.com
Designs and produces medical instruments focused on medicine inspection.

GenMark Diagnostics

USA • Carlsbad, CA
Tel: (1) 760-448-4300
Web: www.genmarkdx.com
E-mail: info@genmarkdx.com
Provides cost-effective molecular diagnostic technologies and tools that enable a broader range of hospitals and laboratories to offer molecular diagnostic services for improved patient care.

Genoid

Hungary • Budapest
Tel: (36) 1-465-01-24
Web: www.genoid.net
E-mail: info@genoid.hu
Focuses on HPV diagnostics research, offering a real-time PCR test that detects all 14 high-risk HPV types in one reaction.

Getein Biotechnology

China • Nanjing
Tel: (86) 25-6856-9011
Web: www.bio-gp.com.cn
E-mail: biogetein.overseas@hotmail.com
Develops and manufactures a range of rapid test kits for disease detection, as well as quantitative immunoassay analyzers.



Globe Scientific

USA • Paramus, NJ
Tel: (1) 201-599-1400
Web: www.globescientific.com
E-mail: mail@globescientific.com
Specializes in laboratory plasticware, glassware, and benchtop equipment. The company also offers a complete line of pipette tips, centrifuge tubes, serological pipettes and pipettors for the biotechnology market. The newest product lines include one-piece plastic serological pipettes, lot-certified cryogenic tubes with leak-proof caps, borosilicate glass culture tubes, and white glass microscope slides.

▶ SEE AD ON PAGE 25

ELISAS That Perform

Celebrating 42 Years of Innovation!

NEW DRG ELISA Kits:

- ◆ Aldosterone EIA-5298
- ◆ Anti-Amyloid Beta Auto-Ab EIA-5099
- ◆ Amyloid Beta 1-40 (serum) EIA-5231
- ◆ Hepcidin 25 (bioactive) EIA-5258
- ◆ Renin (active) EIA-5125
- ◆ Estrone (salivary) ELISA SLV-5228

NEW DRG Tumor Marker ELISAS:

- ◆ Afamin EIA5085
- ◆ Cripto-1 EIA-5109
- ◆ CTGF EIA-5195
- ◆ CYR 61 EIA-5108
- ◆ L1-CAM EIA-5074
- ◆ NOV (CCN3) EIA-4836

Best Sellers: DRG Hormone Saliva Kits (FDA-cleared)

FEATURED PRODUCT:
DRG® 25-OH Vitamin D (total) ELISA Kit (EIA-5396)

25-OH Vitamin D (total) ELISA (EIA-5396)

The NEW DRG® 25-OH Vitamin D (total) ELISA Kit is a fast and straightforward competitive ELISA for the quantification of 25-OH VitaminD₂₅ (total) in human serum and plasma.

Advantages (Manual Assay):

- ◆ no extraction necessary
- ◆ shortest assay time for manual assays
- ◆ good correlation to Liaison (Diasorin) and the improved Cobas (Roche) assays
- ◆ very good precision and sensitivity
- ◆ competitive price
- ◆ also available on the NEW fully-automated system DRG:Hybrid-XL.

2013 January 28 - 31 • Please visit DRG BOOTH # RH15
Dubai International Convention & Exhibition Centre7, UAE

DRG International, Inc.
Corporate Headquarters, Springfield, New Jersey U.S.A.
corpoffice@drg-international.com | www.drg-international.com
CHINA • CZECH REPUBLIC • GERMANY • POLAND • RUSSIA

GlySBy

Italy • Arcore
Tel: (39) 039 6882252
Web: www.glySby.com
E-mail: bidoli@glySby.com
Offers OTC diagnostic tests for home- and self-testing. Products also include tests for professional use including ELISA tests, biochemistry kits, and instruments.



GMMC

Korea • Seoul
Tel: (82) 2-2104-0470
Web: www.gmmcgroup.com
E-mail: erin@gmmcgroup.com
Manufactures products for POCT, hematology, coagulation, and blood bank, including safety and general lancets, along with containers and disposables.

▶ SEE AD ON PAGE 42

Goldsite Diagnostics Inc.

Goldsite Diagnostics

China • Shenzhen
Tel: (86) 755-2689-0807
Web: www.goldsite.com.cn
E-mail: marketing@goldsite.com.cn
Specializes in producing serum protein assaying instruments and reagents, including Nephstar and Nephstar Plus protein analysis system, along with up to 30 kits for determining specific proteins.

▶ SEE AD ON PAGE 38

Gongdong Medical Technology

China • Taizhou
Tel: (86) 576-8408-2905
Web: www.chinagongdong.com
E-mail: jim@chinagongdong.com
Manufactures and distributes disposable medical and lab consumables.

Greiner Bio-One International

Austria • Kremsmunster
Tel: (43) 7583-6791-0
Web: www.gbo.com
E-mail: office@at.gbo.com
The Preanalytics division develops, manufactures and distributes venous blood collection devices for hospitals, laboratories and blood banks. The Bioscience division manufactures products for the biomedical industry, including pipettes, PCR plates, reaction tubes, analyzer cups, and cell separation media.

Greiner Diagnostic

Germany • Bahlingen
Tel: (49) 76-6391-490
Web: www.greiner-diagnostic.com
Specializes in developing, manufacturing and marketing a range of clinical diagnostic assays and kits including niche products like oxalate test, and pyruvate kinase deficiency test.

Grifols International

Spain • Barcelona
Tel: (34) 935-712-200
Web: www.grifols.com
Researches, develops, manufactures and markets plasma derivatives, IV therapy, enteral nutrition, diagnostic systems, and medical materials.

Haier Medical and Laboratory Products

China • Qingdao

Tel: (86) 138-6988-7923
Web: www.haiarmedical.com
E-mail: wanggs@haier.com
Specializes in the design, manufacturing, and marketing of a range of scientific products, such as low-temperature freezers, for various lab applications.

Hanlab

Korea • Paju
Tel: (82) 31-956-8500
Web: www.hanlab.co.kr
E-mail: hanlab@hanlab.co.kr
Produces remote temperature monitoring equipment, as well as an automatic self-balancing centrifuge.

Health-Chem Diagnostics

USA • Pompano Beach, FL
Tel: (1) 954-979-3845
Web: www.healthchemdiagnostics.com
E-mail: info@healthchemdiagnostics.com
Manufactures diagnostic tests for clinical chemistry, POC, immunology, microbiology, and hematology.

Hecht, Karl

Germany • Sondheim
Tel: (49) 9779-808-0
Web: www.assistent.eu
E-mail: info@hecht-assistent.de
Offers products for blood tests and urine analysis, microscopic and staining utensils, liquid handling, water treatment, measuring glass instruments, as well as general lab apparatus, and hydrometers and thermometers.

Helena Laboratories

USA • Beaumont, TX
Tel: (1) 409-842-3714
Web: www.helenapoc.com
Provides specialized, sensitive bedside hemostasis diagnostics for intraoperative platelet aggregation and heparin monitoring.

Helmer

USA • Noblesville, IN
Tel: (1) 317-773-9073
Web: www.helmerinc.com
E-mail: sales@helmerinc.com
Manufactures and distributes lab equipment and temperature-controlled products. Blood bank products include refrigerators, freezers, platelet storage systems, and plasma thawing systems. A complete line of centrifuges and accessories is also available.

HEMCO

USA • Independence, MO
Tel: (1) 800-779-4362
Web: www.hemcocorp.com
E-mail: info@hemcocorp.com
Manufactures a complete line of chemical fume hoods, available in a range of sizes for standard benchtop and floor-mount models. Additional products offered include lab furniture, modular labs, clean rooms, vented enclosures, workstations and emergency showers.

HemoCue

A Quest Diagnostics Company
USA • Cypress, CA
Tel: (1) 800-881-1611
Web: www.hemocue.com
E-mail: insidesales@hemocue.com
Develops, produces, and markets products for point-of-care testing. The company's leading products measure hemoglobin and glucose in whole blood and albumin in urine.

Hemosure

USA • Irwindale, CA
Tel: (1) 626-443-8065

Web: www.hemosure.com
E-mail: sales@hemosure.com
Manufactures the Hemosure Immunological Fecal Occult Blood test (IFOBt) that offers high sensitivity and high specificity, and is easily performed in physician offices, hospitals, and labs.

Hettich

Germany • Tuttlingen
Tel: (49) 7461-705-0
Web: www.hettichlab.com
E-mail: info@hettichlab.com
Provides customers with a complete line of centrifuges. Product applications include clinical chemistry, hematology, cytology and histology. Centrifuge varieties include micro-lifter, hematocrit, benchtop, underbench, floor-standing, blood bank, robotic centrifuges, refrigerated and nonrefrigerated and cell washers.

Hitachi Aloka Medical

Japan • Tokyo
Tel: (81) 422-45-6049
Web: www.hitachi-alko.com
Involved in the development of nuclear diag-

nostic, osteoporosis diagnostic, sample testing, and therapeutic/surgical systems.

Hologic Gen-Probe

USA • San Diego, CA
Tel: (1) 858-410-8000
Web: www.gen-probe.com
E-mail: international@gen-probe.com
Designs and provides products for the clinical laboratory and blood screening. Products include testing items for the detection of human diseases including tuberculosis, strep throat, pneumonia, and sexually transmitted diseases, as well as for human immunodeficiency virus type 1 (HIV-1) and hepatitis C virus (HCV) contamination of the blood supply.

Horiba Medical

France • Montpellier
Tel: (33) 4 67 14 15 16
Web: www.horiba.com/medical
E-mail: anne-marie.notinger@horiba.com
Produces hematology and clinical chemistry analyzers, offering small instruments equipped with features for accuracy and reliability.



Everything depends on having a partner you can trust

RELY ON AB SCIEX FOR PROVEN LC/MS/MS SOLUTIONS



Mass spectrometry is rapidly advancing as a smart alternative for scores of clinical research applications involving trace level quantitation of multiple compounds such as endocrines, biomarkers, drugs of abuse and many more.

If you're ready to break through, look no further than the industry leader. With 25-years of experience delivering high-performance systems, software, and support, AB SCIEX is a partner you can trust to integrate LC/MS/MS technology into your clinical research lab. Save time, cut costs, and solve analytical issues with greater confidence and better results.

For more information, visit www.absciex.com/clinicalresearch-LM



© 2012 AB SCIEX. For Research Use Only. Not for use in diagnostic procedures. The trademarks mentioned herein are the property of AB SCIEX Pte. Ltd. or their respective owners. RUO-MKT-13-0157-A



Horrn XLH Medical

China • Shenzhen
Tel: (86) 755-2685-5736
Web: www.horrn.com
E-mail: export@horrn.com

Specializes in the development and marketing of products for in vitro diagnostics, including a wide range of analyzers, plate washers, and reagents.

▶ SEE AD ON PAGE 18

HTL

Poland • Warsaw
Tel: (48) 22-492-19-00
Web: www.htl.com.pl

Specializes in the production of laboratory and medical products including single-channel variable-volume pipettes, multichannel pipettes, fixed-volume pipettes, electronic pipetting controllers, and manual dispensers.

Human

Germany • Wiesbaden
Tel: (49) 6122-9988-0
Web: www.human.de

E-mail: human@human.de

Develops and manufactures diagnostic products for clinical laboratories including clinical chemistry, ELISA, hematology, urology, and coagulation.

Humasis

Korea • Anyang
Tel: (82) 31-478-8585
Web: www.humasis.com

Develops and manufactures products for IVD and point-of-care testing.

Hycor Biomedical

USA • Indianapolis, IN
Tel: (1) 317-454-8685
Web: www.hycorbiomedical.com

Develops, manufactures and markets automated instruments and reagent systems. The company also offers a line of urinalysis controls and disposable products under the Kova brand.

HyTest

Finland • Turku
Tel: (358) 2 512 0900
Web: www.hytest.fi

E-mail: hytest@hytest.fi

Offers solutions for assay development and research applications by providing high quality immunological reagents. Areas of specialty include cardiac markers, hormones and toxins, human proteins, neuroscience-related reagents, infectious and autoimmune disease reagents.

iCubio Biomedical Technology

China • Shenzhen
Tel: (86) 755-2661-0931
Web: www.icubio.com

E-mail: info@icubio.com

Develops and markets lab inspection equipment, including biochemistry analyzers.

Immco Diagnostics

USA • Buffalo, NY
Tel: (1) 716-691-0091
Web: www.immcoiagnostics.com
E-mail: info@immco.com

Focuses on autoimmunity, as a clinical reference laboratory and manufacturer of diagnostic test kits. Product applications include endocrinology, gastroenterology, immunogenetics, immunology, neurology, rheumatology, dermatopathology, oral pathology, and hearing loss.

Immucor Gamma

USA • Norcross, GA
Tel: (1) 770-441-2051
Web: www.immucor.com
E-mail: info@immucor.com

Develops and manufactures products used by hospital blood banks, clinical laboratories, and blood donor centers to detect and identify certain properties of human blood prior to patient transfusion.

Immunetics

USA • Boston, MA
Tel: (1) 617-896-9100
Web: www.immunetics.com

Produces instruments such as the Miniblotter for Western Blot, spoligotyping and other multiprobe membrane assays. Additional products include a cell adhesion flow chamber for microarray hybridization, the QualiCode line of Western Blot assays and recently, the C6 B. burgdorferi (Lyme) ELISA Kit for Lyme testing.

Immuno Concepts

USA • Sacramento, CA
Tel: (1) 916-363-2649
Web: www.immunconcepts.com

Produces diagnostic test kits for autoimmune diseases including slide assays, ELISA assays, and a protein colorimetric microarray containing 10 DNA/ENA antigens.

Immunodiagnostic Systems

UK • Boldon, Tyne and Wear
Tel: (44) 191-519-0660
Web: www.idsplc.com

E-mail: info.uk@idsplc.com

Specializes in immunoassays and creates tools to aid in the diagnosis of diseases of bone and calcium dysfunction such as osteoporosis, osteomalacia and Paget's disease. The company also monitors responses to therapy and studies the fundamental mechanisms of bone disorders. The flagship products of the company are kits for the determination of Vitamin D in human serum.

INCYTO

Korea • Cheonan
Tel: (82) 41-550-9762-7
Web: www.incyto.com
E-mail: sales@incyto.com

Develops diagnostic and analytical instruments for medical purposes, as well as providing related services and solutions, and focuses on MEMS, bioengineering, and Lab-on-a-chip techniques.

Inova Diagnostics

USA • San Diego, CA
Tel: (1) 858-586-9900
Web: www.inovadx.com

Focuses on autoimmune disease diagnostics and offers autoimmune testing reagents. The autoimmune product groups include kits and components for testing for connective tissue disease, coagulation, gastrointestinal disorders, vasculitis, endocrine, autoimmune liver disease, and related infectious disease.

Institute of Isotopes

Hungary • Budapest
Tel: (36) 1-391-0802
Web: www.izotop.hu
E-mail: izotop@izotop.hu

Develops and manufactures radioactive isotopes, as well as immunoassay kits, for clinical and research laboratory use.



Instrumentation Laboratory

USA • Bedford, MA
Tel: (1) 781-861-0710

Web: www.ilus.com
E-mail: customerservice@ilww.com
Offers a complete line of systems, instruments, reagents and specialty kits for critical care, blood gas, and coagulation testing.

▶ SEE AD ON PAGE 9

InTec Products

China • Xiamen
Tel: (86) 592-680-7224
Web: www.intecasi.com
E-mail: intecproducts@asintec.com
Specializes in R&D, production and distribution of in vitro diagnostic reagents. Products available focus on infectious disease tests, ELISA, PCR methods, drugs of abuse, fertility and tumor marker. Recently added to the product line is a diabetes monitoring system and a rapid test reader.

International Immuno-Diagnostics

USA • Foster City, CA
Tel: (1) 650-345-9518
Web: www.intimmunodiagnosics.com
E-mail: contact@intimmunodiagnosics.com
Offers EIA microwell diagnostic tests, as well as one-step membrane quick screen tests.

Invetech

USA • San Diego, CA
Tel: (1) 858-768-3232
Web: www.invetech.us
E-mail: info@invetech.com.au
Designs and manufactures products, instruments, and custom automation services to in vitro diagnostics, medical devices, life sciences, drug discovery, and pharmaceutical companies.

IQ Products

Netherlands • Groningen
Tel: (31) 50-575-7000
Web: www.iqproducts.nl
E-mail: marketing@iqproducts.nl
Supplies a range of products for perinatal diagnostics, transplantation-related diagnostics, and routine flow cytometry.

IRIS International

USA • Chatsworth, CA
Tel: (1) 818-527-7000
Web: www.proiris.com
E-mail: irisinc@proiris.com
Manufactures and sells urinalysis systems that perform both chemistry and microscopic analyses.

Iris Sample Processing

USA • Westwood, MA
Tel: (1) 781-551-0100
Web: www.statspin.com
E-mail: info1@proiris.com
Manufactures high-speed centrifuges and blood analysis products, including the StatSpin brand line of products.

ITC

USA • Edison, NJ
Tel: (1) 732-548-5700
Web: www.itcmed.com
E-mail: customerservice@itcmed.com
Develops, manufactures, and markets products in four categories: Hemochron point-of-care coagulation instruments and reagents; IRMA TRUpoint Blood Analysis System for blood gas and electrolyte testing; skin incision products including tenderfoot, Tenderlett and Surgicut; and the ProTime Microcoagulation System for prothrombin time testing.

IWAKI

Japan • Tokyo
Tel: (81) 3-3254-2935
Web: www.iwakipumps.jp
Manufactures high-purity metering pumps, chemical delivery pumps, recirculation

Quantimetrix Whole Blood Control



Dropper[®] A1c

Diabetes Control

for lab and point-of-care

- liquid, human blood-based
- extended stability
- maximum portability
- easy-to-use dropper bottles

Order now: (310) 536-0006

quantimetrix.com



*Refer to the package insert of currently available lots for specific analyte and stability claims.

ADV-1013 100112

pumps and nonmetallic magnetic drive centrifugal pumps and systems.

JAJ International

USA • San Diego, CA
Tel: (1) 858-866-0788
Web:
www.jajinternational.com
E-mail:

info@jajinternational.com
Develops, manufactures, and markets a wide range of one-step diagnostic tests, including cardio markers, infectious diseases, drug abuse, STD, pregnancy, and fertility.

JAS Diagnostics

USA • Miami Lakes, FL
Tel: (1) 305-418-2320
Web:

www.jasdiagnostics.com
E-mail: djohnston@jasdiagnostics.com
Specializes in the manufacture of liquid stable chemistry reagents that offer increased speed and extended stability. The reagents include specialty tests for a wide variety of individual applications.

JP Selecta

Spain • Barcelona
Tel: (34) 937 700 877
Web: www.jpselecta.es
E-mail:

selecta@jpselecta.es
Produces products that include autoclaves, blood bank cabinets, baths, centrifuges, incubators, blood collection tubes, pipettes, and ESR systems, among others.

JS Medicina Electronica

Argentina • Buenos Aires
Tel: (54) 11-4709-7707
Web: www.jsweb.com.ar
E-mail:

info@jsweb.com.ar
Develops and produces medical devices and IVD products, including analyzers, software, electrodes, and consumables.

Kabe Labortechnik

Germany • Elsenroth
Tel: (49) 22-93-9132-0
Web:
www.kabe-labortechnik.de
E-mail: info@kabe-labortechnik.de

Develops, manufactures and markets treated and untreated test tubes for different blood, urine and feces examinations, blood collection systems for venous and capillary blood, mixers for blood samples, devices for the blood sugar determination and for the determination of the blood sedimentation rate as well as accessories for the handling and disposal of the products.

Kaivogen

Finland • Turku
Tel: (358) 44-584-5062
Web: www.kaivogen.com
E-mail:
info@kaivogen.com

Produces laboratory reagents for clinical chemistry, genetic testing, immunology, hematology, blood bank, and coagulation applications. Additional products offered include chelates, custom reagents and kit components.

Kamiya Biomedical

USA • Seattle, WA
Tel: (1) 206-575-8068
Web: www.

kamiyabiomedical.com
E-mail: info@k-assay.com
Supplies research and diagnostic tools including enzyme inhibitors, enzyme substrates, monoclonal antibodies and small molecules for apoptosis, multidrug resistance, signal transduction, cancer and cell biology research. The company also offers a line of clinical diagnostic and research immunoassay products for lipid assessment, coagulation, inflammation, diabetes, nutritional assessment, and serum protein measurement based on immunoturbidimetric technology.

Kartell Labware

Italy • Milan
Tel: (39) 2-900-121
Web: www.kartell.it
E-mail:

kartell@kartell.it
Supplies a wide range of lightweight, ergonomic products for the laboratory market including plasticware, disposables, and a range of liquid handling options.

Kehua Bioengineering

China • Shanghai
Tel: (86) 21-6485-0088
Web: www.skhb.com
E-mail:

khbmarketing@khb.com
Develops, manufactures, and markets reagents, automatic clinical chemistry analyzers, microplate readers and washers, electrolyte analyzers, decapping centrifuges, and vacuum blood collection tubes.

Kem-En-Tec Diagnostics

Denmark • Taastrup
Tel: (45) 3927-1771
Web:
www.kem-en-tec.com
E-mail:

support@kem-en-tec.com
Supplies components used in immunoassays such as ELISA, blotting and tissue staining. The products are covered by five categories: liquid substrates, substrate tablets, buffers and stabilizers, enzymes, and avidin and streptavidin.

Lab M

UK • Lancashire
Tel: (44) 161-820-3833
Web: www.labm.com
E-mail: info@labm.com

Specializes in the development and production of microbiological diagnostic products, including dehy-

drated culture media and chromogenic media.

Lab21 Healthcare

UK • Cambridge
Tel: (44) 1223-395-450
Web: www.lab21.com
E-mail: info@lab21.com

Provides molecular diagnostic products and services, along with a range of infectious disease assays, to healthcare organizations, clinical laboratories, and pharmaceutical companies.

Labex

Sweden • Helsingborg
Tel: (46) 42-32-40-00
Web: www.labex.com
E-mail: reagents@labex.com

Produces reagent systems for hematology instruments with or without leukocyte differentiation and supplies diagnostics and instruments to laboratories in hospitals, universities and the pharmaceutical industry.

Labnovation Technologies

China • Shenzhen
Tel: (86) 755-8636-8328

Web: www.labnovation.com
E-mail: export@labnovation.com
Specializes in reagent manufacturing, and focuses on developing reagents for hematology analyzers, clinical chemistry, and urine cell analyzers.

LabONE

India • Chennai, Tamil Nadu
Tel: (91) 44-2496-2454
Web: www.lab1inc.com
E-mail: labone.india@gmail.com
Manufactures IVD clinical diagnostic equipment, and offers biochemistry analyzers, as well as micropipettes.

Laboratoires Eurobio

France • Courtaboeuf
Tel: (33) 1 69 07 94 77
Web: www.eurobio.fr
Develops, produces and sells a complete range of reagents and biochemicals for the diagnostic and research markets.

Labtest

Brazil • Lagoa Santa
Tel: (55) 31-3689-6900
Web: www.labtest.com.br

Develops, manufactures, and commercializes IVD reagents and diagnostic equipment for the clinical chemistry industry.

Lampire Biological Laboratories

USA • Pipersville, PA
Tel: (1) 215-795-2838
Web: www.lampire.com
Specializes in polyclonal and monoclonal antibody development, cell culture devices and services, and a wide variety of blood-derived products.

Landwind Medical

China • Shenzhen
Tel: (86) 755-2735-3211
Web: www.landwindmedical.com
E-mail:
sales@landwindmedical.com
Distributes medical diagnostic imaging equipment, as well as products for medical IT, IVD, hemodialysis, and anesthesia.

Lanner Biotechnology

Taiwan • Taichung City
Tel: (886) 42-355-3201




A Partner for Life

CS-6400

Automatic Chemistry Analyzer

More Than Meets the Eye





VISIT US AT RK 50

CS-I200

Automatic Chemistry Analyzer

Seeing is believing



FUS-2000

Urinalysis Hybrid



FB-100

Fecal Occult Blood Analyzer



A Higher Level of Quality

Web: www.lanner-instruments.com
 E-mail: sales@lanner-instruments.com
Manufactures a range of instruments for clinical chemistry, hematology, coagulation, and blood bank, including the T900 automatic chemistry analyzer.

LDN Labor Diagnostika Nord

Germany • Nordhorn
 Tel: (49) 5921-8197-0
 Web: www.ldn.de
 E-mail: info@ldn.de
Develops and produces in vitro diagnostic test systems for the clinical and research laboratory markets.

Lee Company, The

USA • Westbrook, CT
 Tel: (1) 860-399-6281
 Web: www.theleeco.com
Manufactures miniature fluid control components for automated liquid handling in medical and scientific instrumentation, analytical/clinical chemistry, and medical disposable applications.

Leica Microsystems

Germany • Wetzlar
 Tel: (49) 64-41-29-40-00
 Web: www.leica-microsystems.com
Manufactures and supplies optical solutions based on microscopes and related instruments

LifeSign

USA • Skillman, NJ
 Tel: (1) 800-526-2125
 Web: www.lifesignmed.com
Provides point-of-care testing solutions for the detection of medical conditions and illnesses that include cardiac markers, infectious disease, women's health, abused drugs, urinary tract infections, and GI disorders.

Linear Chemicals

Spain • Montgat
 Tel: (34) 934 694 990
 Web: www.linear.es
 E-mail: info@linear.es
Develops and manufactures in vitro diagnostics (IVD) products including different Instruments and reagents covering clinical chemistry, serology, urinalysis, hematology and immunology, and markets them under the brand name of Cromatest.

Liofilchem

Italy • Roseto, Abruzzo
 Tel: (39) 085-893-0745
 Web: www.liofilchem.it
Develops and manufactures a wide range of high-quality and reliable products for microbiology applications.

Lobeck Medical

Switzerland • Frick
 Tel: (41) 62-865-11-50
 Web: www.lobeck.com
 E-mail: info@lobeck.com
Manufactures products for the diabetic and IVD markets, including point-of-care tests.

Long Island Biotech

China • Shanghai
 Tel: (86) 21-5746-1000
 Web: www.chang-dao.com
 E-mail: mikexiao@chang-dao.com
Focuses on the production of liquid PT, liquid APTT, liquid TT, and liquid fibrinogen assay kits.

LP Italiana

Italy • Milan
 Tel: (39) 02-3933-061
 Web: www.lpitaliana.com
 E-mail: info@lpitaliana.com
Develops, manufactures, and markets disposable products for clinical chemistry, hematology, serology, microbiology and bacteriology.

LRE Medical

Germany • Munich
 Tel: (49) 89-354803-0
 Web: www.lre.de
 E-mail: info@lre.de
Develops, manufactures, and markets diagnostic analytical instruments for homecare (glucose monitoring), point-of-care and field testing.

Luminex

USA • Austin, TX
 Tel: (1) 512-219-8020
 Web: www.luminexcorp.com
Develops, manufactures, and markets biological testing technologies with applications throughout the life sciences and clinical diagnostics industry.

LuSys Laboratories

USA • San Diego, CA
 Tel: (1) 858-546-0902
 Web: www.lusyslab.com

E-mail: onestep@lusyslab.com
Manufactures products that test for cancer, birth defects, heart attacks, infectious and sexually transmitted diseases.

LW Scientific

USA • Lawrenceville, GA
 Tel: (1) 770-270-1394
 Web: www.lwscientific.com
Supplies products to the laboratory market, including microscopes, centrifuges, and general lab equipment, for applications in hematology, pathology, cytology, and infectious diseases.

Macherey-Nagel

Germany • Düren
 Tel: (49) 2421-9690
 Web: www.mn-net.com
 E-mail: sales@mn-net.com
Develops, manufactures, and markets antibiotic test papers, photometers, and urine analyzers.

Magellan Biosciences

USA • North Billerica, MA
 Tel: (1) 978-856-2345
 Web: www.magellanbio.com
Provides products that address the biomedical research and clinical diagnostics industries.

MagnaBioSciences

USA • San Diego, CA
 Tel: (1) 858-481-4400
 Web: www.magnabiosciences.com
 E-mail: info@magnabiosciences.com
Focuses on point-of-care testing and the development of assays for immunology.

Magnisense

France • Rosny-sous-Bois
 Tel: (33) 01-4562-8264
 Web: www.magnisense.com
 E-mail: luc.lenglet@magnisense.com
Develops and markets magnetic immunoassays intended to improve rapid diagnostic performance for human and animal diagnostics.

Magnus Analytics

India • New Delhi
 Tel: (91) 11-3088-6743
 Web: www.magnusanalytics.com
 E-mail: sales@magnusanalytics.com
Manufactures microscopes and microscope optics for the clinical laboratory market.

Mast Group

UK • Liverpool, Merseyside
 Tel: (44) 151-933-7277
 Web: www.mastgrp.com
 E-mail: sales@mastgrp.com
Manufactures and supplies IVD kits, reagents, and equipment for the clinical market with an emphasis on microbiology.

Master Diagnostica

Spain • Granada
 Tel: (34) 958-271-449
 Web: www.masterdiagnostica.com
 E-mail: master@vitroweb.com
Develops, manufactures, and markets products for in vitro diagnosis of oncological and infectious diseases in the area of cellular and molecular pathology.

Maxcom Electronic

China • Shenzhen
 Tel: (86) 0755-2650-4439
 Web: www.maxcom.com.cn
 E-mail: sales@maxcomchina.com
Designs diagnostic equipment such as automated hematology analyzers, as well as biochemistry analyzers.

MDS Nordion

Canada • Ottawa, ON
 Tel: (1) 613-592-2790
 Web: www.mds.nordion.com
 E-mail: isotopeorders@midsinc.com
Uses radiation technologies to prevent, diagnose, and treat disease. Two primary areas make up the business: nuclear medicine and ion technologies.

Medica Corporation

USA • Bedford, MA
 Tel: (1) 781-275-4892
 Web: www.medicacorp.com
 E-mail: sales@medicacorp.com
Manufactures blood testing analyzers specifically designed for the low-volume in vitro diagnostic testing market. The electrolyte analyzers measure sodium, potassium, chloride, lithium, calcium and pH in whole blood, serum, plasma and urine. The blood gas analyzers measure PO₂, PCO₂ and pH and use a calibration method that eliminates gas tanks.

Medical Biological Union

Russia • Novosibirsk
 Tel: (7) 383-333-9142
 Web: www.mbunion.com
 E-mail: info@mbunion.com

A Rapid Multiplexing Platform

The Simplest Solution | An Open Platform

GenoFlow Series

- HPV Genotyping Test
- HPV HR Screening Test
- Sexually Transmitted Diseases Test
- Thrombophilia Test
- β - Thalassemia Test
- DR-MTB Test
- HBV Genotyping Test

Flow through Hybridization Platform

www.diagcor.com
sales@diagcor.com

Real Time PCR Series

High Sensitivity | Open Platform

GenoScreen Series

| Qualitative Result

- TB Test
- KRAS / BRAF Test

GenoQuant Series

| Viral Load Quantification

- Hepatitis B Test
- Hepatitis C Test

Visit us at Stand SAB72

DiagCor

Nephstar®

- Immuno Nephelometry
- Automatic calibration
- Rapid results 15 seconds to 3 minutes
- CRP, HsCRP, HbA1c up to 28 assays available

Visit us at Stand RM56

Goldsite Diagnostics Inc.
www.goldsite.com.cn
export@goldsite.com.cn

CE IVD

Manufactures and markets ELISA products for IVD of infectious diseases, along with performance sera panels for the quality control of kits imported and manufactured in Russia.

Medicon

Greece • Athens
Tel: (30) 210-6606000
Web: www.mediconsa.com
E-mail: man@mediconsa.com

Specializes in the R&D, production and export of diagnostic reagents, the production of laboratory information software, and the import and distribution of in vitro diagnostics and automated analytical systems.

Medix Biochemica

Finland • Kauniainen
Tel: (358) 9-547-680
Web: www.medixbiochemica.com
E-mail: medix@medixbiochemica.com

Develops, produces, and markets in vitro immunodiagnostic raw materials, as well as point-of-care tests for human healthcare. The product line is the Medix-MAB line that includes monoclonal antibodies (e.g., infertility, tumor marker, thyroid, cardiac, serology, and infectious fields).

Mega Tip Industry & Trade

Turkey • Gaziantep
Tel: (90) 342-230-37-52
Web: www.relassay.com
E-mail: relassay@relassay.com
Designs and distributes medical and laboratory disposable equipment.

Melet Schloesing Laboratories

France • Osny
Tel: (33) 01-30-75-30-00
Web: www.mslabos.com
E-mail: mslabos@mslabos.com
Produces hematology cell counters and hematology reagents for the clinical lab.

Menarini, A., Diagnostics

Italy • Florence
Tel: (39) 55-56801
Web: www.menarini.com
Focuses on the research and development of diagnostic drugs that target cardiovascular diseases, oncology, and pain/inflammation, asthma.

Meridian Bioscience

USA • Cincinnati, OH
Tel: (1) 513-271-3700
Web: www.meridianbioscience.com
E-mail: mbi@meridianbioscience.com
Develops, manufactures, and markets immunodiagnostic kits for the diagnosis of infectious diseases.

Meridian Life Science

USA • Memphis, TN
Tel: (1) 901-382-8716
Web: www.meridianlifescience.com
E-mail: info@meridianlifescience.com
Offers antibody and antigen product lines, along with diagnostic tests, and manufactures viral antigens, as well as monoclonal antibodies.

Micro Lab Instruments

India • Ahmedabad, Gujarat
Tel: (91) 79-2658-5919
Web: www.microlab.co.in
E-mail: info@microlab.co.in
Manufactures clinical chemistry analyzers, ELISA readers and plate washers, dry bath incubators, blood mixers, and single- and dual-channel coagulometers.

Microbiologics

USA • St. Cloud, MN
Phone: (1) 320-253-1640
Web: www.microbiologics.com
Email: info@microbiologics.com
Produces lyophilized microorganisms for quality control in microbiology laboratories worldwide. The company specializes in clinical, industrial, food quality, environmental and educational markets, and offers over 3,000 items in the product line with more than 500 different lyophilized microorganism strains.

Microlit

India • Lucknow
Tel: (91) 98390-14252
Web: www.microlit.com
E-mail: ajain@microlit.com
Manufactures and markets liquid handling products including micropipettes and pipette filling devices for a range of laboratory applications.

Midland BioProducts

USA • Boone, IA
Tel: (1) 515-432-7799
Web: www.midlandbio.com
E-mail: rwhetstone@midlandbio.com
Manufactures bulk antisera and polyclonal antibodies for the TIA industry, as well as produces calibrators and controls.

Mindray

China • Shenzhen
Tel: (86) 755-2658-2500
Web: www.mindray.com.cn
E-mail: intl-market@mindray.com.cn
Specializes in the R&D and manufacture of clinical laboratory instruments and reagents that focus on pa-

tient monitoring devices, and diagnostic laboratory instruments for disease detection.

Moss

USA • Pasadena, MD
Tel: (1) 410-768-3442
Web: www.mosssubstrates.com
E-mail: bmoss2@erols.com
Produces liquid stable immunoassay reagents, including substrates and conjugates, used in diagnostic testing applications, as well as in research and process testing at pharmaceutical and biotechnology companies.



MP Biomedicals

USA • Santa Ana, CA
Tel: (1) 800-854-0530
Web: www.mpbio.com
E-mail: export@mpbio.com

Manufactures and sells a line of life science, fine chemical and diagnostic products. The company's products range from specialized areas of research to supplying large-scale quantities of fine chemicals.

▶ SEE AD ON PAGE 39

MPW Med. Instruments

Poland • Warsaw
Tel: (48) 22-610-55-36
Web: www.mpw.pl
E-mail: mpw@mpw.pl
Develops and manufactures a wide range of medical and laboratory centrifuges including universal and special types, low- and high-speed, refrigerated or refrigerated and heated.

MYCO Instrumentation

USA • Renton, WA
Tel: (1) 253-447-4220
Web: www.myco-instrumentation.com
E-Mail: info@myco-instrumentation.com

Provides clinical laboratory equipment, clinical chemistry analyzers, hematology analyzers, coagulation analyzers, analytical lab equipment, biotechnology equipment, and diagnostic imaging equipment.

Nihon Kohden

Japan • Tokyo
Tel: (81) 3-5996-8036
Web: www.nihonkohden.com
Major product line for clinical diagnostics includes both automatic and semiautomatic hematology analyzers. The product range includes economical 2 parameter analyzers to fully automated 22 parameter analyzers with a barcode reader and a 50-sample rack.

Nikon Instruments

USA • Melville, NY
Tel: (1) 631-547-8500
Web: www.nikoninstruments.com
E-mail: nikoninstruments@nikon.net
Designs, manufactures, and markets specialized optical lenses. Products include measuring microscopes, as well as biolaboratory, clinical microscopes.

MP Biomedicals - Diagnostics Transfusion Transmissible Infections



Come and visit MP Biomedicals
at Arab Health 2013, booth RB38!



Your health is not a game to us!

Visit our website for more information www.mpbio.com/InfectiousDiseases

MP Biomedicals Europe Tel: 00800 7777 9999 Fax: 00800 6666 8888



Nordic Biomarker

Sweden • Umea
Tel: (46) 90-71-86-01
Web: www.nordicbiomarker.com
E-mail: marketing@nordicbiomarker.com
Specializes in the development and manufacturing of specialty coagulation assays.

Nova Biomedical

USA • Waltham, MA
Tel: (1) 781-894-0800
Web: www.novabiomedical.com
Develops whole blood analyzers to support the care of critically ill patients. Product applications include usage in the central laboratory, emergency department, surgery, critical care area, or respiratory care area.

NovaTec Immundiagnostica

Germany • Dietzenbach
Tel: (49) 6074-4876-0
Web: www.novatec-id.com
E-mail: info@novatec-id.com
Develops and manufactures ELISA diagnostic kits with an emphasis on infectious diseases, allowing for the rapid diagnosis of bacterial, viral, and parasitic diseases.



NuAire

USA • Plymouth, MN
Tel: (1) 763-553-1270
Web: www.nuair.com
E-mail: nuaire@nuair.com
Manufactures biological safety cabinets, CO2 water-jacketed incubators, laminar air flow equipment, ultra-low temperature freezers, and complementary products and systems.

Nüve

Turkey • Ankara
Tel: (90) 312-399-2830
Web: www.nuve.com.tr
E-mail: sales@nuve.com.tr
Manufactures, distributes, and exports a wide range of laboratory equipment including centrifuges, incubators, sterilizers, ovens, water baths, water distillers, air-flow cabinets, microbiological safety cabinets, and blood-bank refrigerators.

Oasis Diagnostics

USA • Vancouver, WA
Tel: (1) 360-546-1563
Web: www.4saliva.com
E-mail: info@4saliva.com
Manufactures saliva collection devices and test kits, as well as ELISA products for HIV, drugs of abuse, and steroid hormones.

Omega Diagnostics

UK • Alva, Scotland
Tel: (44) 1259-763-030
Web: www.omegadiagnostics.com
E-mail: odl@omegadiagnostics.com
Develops and manufactures IVD products, specializing in the areas of allergy, food intolerance, autoimmune disease, and infectious disease.



Operon

Spain • Cuarte de Huerva
Tel: (34) 976-50-3597
Web: www.operon.es
E-mail: sales@operon.es
Focuses on research, development, manufacturing and sales of in vitro diagnostics products.

▶ SEE AD ON PAGE 43

OraSure Technologies

USA • Bethlehem, PA
Tel: (1) 610-882-1820
Web: www.orasure.com
Develops, manufactures and markets oral fluid specimen collection devices, as well as diagnostic products including immunoassays and in vitro diagnostic tests.

Orgentec Diagnostika

Germany • Mainz
Tel: (49) 6131-9258-0
Web: www.orgentec.com
E-mail: orgentec@orgentec.com
Focuses on the development and production of autoimmune ELISA test systems.

Orion Diagnostica

Finland • Espoo
Tel: (358) 10-4261
Web: www.oriondiagnostica.fi
Specializes in rapid and easy-to-use clinical diagnostic and hygiene-monitoring products.

Orphee Medical

Switzerland • Plan-les-Ouates
Tel: (41) 22-884-90-90
Web: www.orphee-medical.com
E-mail: contact@orphee-medical.com
Develops and markets instrumentation for the hematology diagnostic market, addressing the needs of small and mid-sized laboratories, as well as physician offices.

Ortho-Clinical Diagnostics

USA • Rochester, NY
Tel: (1) 800-828-6316
Web: www.orthoclinical.com
Focuses on diagnostic products for donor screening, immunohematology, clinical chemistry, and immunodiagnosics.

Oxoid

Part of Thermo Fisher Scientific

UK • Basingstoke
Tel: (44) 1256-841144
Web: www.oxoid.com
E-mail: oxoid.info@thermofisher.com
Manufacturers and distributes microbiological culture media and other diagnostic products. The range of products is used in clinical and industrial laboratories.

Oyster Bay Pump Works

USA • Hicksville, NY
Tel: (1) 516-933-4500
Web: www.obpw.com
E-mail: info@obpw.com
Develops and manufactures equipment ranging from small precision tabletop liquid dispensers to fully integrated, multi-function systems on a variety of conveyor and robotic platforms. Applications include liquid handling, automation and systems integration.



Panasonic

Netherlands • Etten Leur
Tel: (31) 765-433-833
Web: www.panasonic.eu/biomedical
Specializes in products for lab conservation, incubation, and sterilization, along with offering a range of Biocision CoolProducts.

▶ SEE AD ON PAGE 26-27

Partec

Germany • Görlitz
Tel: (49) 3581-8746-0

Web: www.partec.com
E-mail: mail@partec.com
Specializes in flow cytometry and cell analysis, providing complete solutions including instrumentation, software, reagents, protocols, accessories, application support, training, and after-sales service.

PBI International

Italy • Milan
Tel: (39) 2-48779-1
Web: www.internationalpbi.com
E-mail: info@internationalpbi.it
Supplies chemical-physical analyses and microbiological research products, as well as products for laboratory research to laboratories for analysis, pharmaceutical companies, chemists, biotechnologists, and public institutions such as universities.

Pentapharm

Switzerland • Basel
Tel: (41) 61 7064848
Web: www.pentapharm.com
Specializes in research, development, and production of active ingredients for the pharmaceutical industry, as well as diagnostic products relating to hemostasis.

Peripheral Visions

USA • Auburn, WA
Tel: (1) 800-728-4146
Web: www.peripheralvisions.com
E-mail: orders@peripheralvisions.com
Manufactures Perphormax replacement parts for clinical chemical analyzers and rebuilds or refurbishes Hitachi and Beckman clinical chemistry analyzers.



Phthisis Diagnostics

USA • Charlottesville, VA
Tel: (1) 434-293-8180
Web: phthisisdiagnostics.com
E-mail: overseas@perlong.com.cn
Develops and manufactures a wide range of diagnostic products and reagents for use in molecular-based diagnostic assays, point-of-care tests, and environmental pathogen testing applications.

▶ SEE AD ON PAGE 30

CLINICAL CHEMISTRY AT ITS BEST

POINTE SCIENTIFIC

Pointe Scientific, headquartered in Canton, Michigan, USA, is a global leader in the development and manufacturing of innovative, reliable, high-quality clinical chemistry products and solutions. Pointe Scientific has been supporting and servicing their customers, through excellent customer care, for over 30 years.

PRODUCTS FOR

- Cardiac Function
- Clinical Chemistry
- Diabetic Profile
- Enzyme Immunoassay
- Hepatic Function
- Lipid Profile
- Metabolic Function
- Renal Function
- Urine Chemistry

DISTRIBUTORS WANTED

Meet us at Arab Health in January!

Booth Number: MH31
Don't forget to ask us about our OEM Partner Program!
www.PointeScientific.com

V I S I T

LINKXPRESS.COM

READER SERVICE PORTAL

▶ **Renew/Start your Free Subscription**

▶ **Access Interactive Digital Magazine**

▶ **Instant Online Product Information:**

- 1 Identify **LinkXpress**® codes of interest as you read magazine
- 2 Click on **LinkXpress.com** to reach reader service portal
- 3 Mark code(s) of interest on **LinkXpress**® inquiry matrix

If your subscription is not renewed every 12 months your Free Subscription may be automatically discontinued

PerkinElmer

USA • Waltham, MA
Tel: (1) 203-925-4602
Web: www.perkinelmer.com
E-mail: customercare@perkinelmer.com
Provides scientific instruments, consumables and services to the pharmaceutical, biomedical, environmental testing and general industrial markets. Designs and manufactures systems for the life, analytical, and optoelectronics markets.

Perlong Medical Equipment

China • Nanjing
Tel: (86) 25-8718-7780
Web: www.perlong.com
E-mail: overseas@perlong.com.cn
Provides products that include clinical laboratory equipment and reagents, surgical equipment and blood analytic equipment, and X-ray video devices.



Pointe Scientific

USA • Canton, MI
Tel: (1) 734-487-8300
Web: www.pointescientific.com
E-mail: info@pointescientific.com
Offers products such as clinical chemistry reagents, calibrators, controls, and standards, as well as clinical chemistry analyzers.

Polymedco

USA • Cortlandt Manor, NY
Tel: (1) 914-739-5400
Web: www.polymedco.com
Provides instruments and reagents for clinical chemistry and hematology, as well as POC tests for FOBT, cholesterol, diabetes, and bladder cancer detection.

Pro-Lab Diagnostics

Canada • Richmond Hill, ON
Tel: (1) 905-731-0300
Web: www.pro-lab.com
E-mail: support@pro-lab.com
Provides immunodiagnostic products and biological reagents to hospitals, private medical labs, and other biological investigative laboratories.

Procan Electronics

China • Shenzhen
Tel: (86) 755-2674-7910
Web: www.procan.com.cn
E-mail: info@procanmed.com
Develops, manufactures, and services medical testing instruments, as well as offers a series of hematology analyzers.

Prospect Diagnostics

UK • Dronfield, Derbyshire
Tel: (44) 12 4629 2955
Web: www.prospectdiagnostics.co.uk
E-mail: customercare@prospectdiagnostics.co.uk
Supplies a wide range of products for the benefit of decentralized measurement of various analytes in body fluids.

Puritan Medical Products

USA • Guilford, ME
Tel: (1) 800-321-2313
Web: www.puritanmedproducts.com
E-mail: sales@puritanmedproducts.com
Manufactures specialty and single-use products for medical and diagnostic applications, including swabs and tipped applicators.

QBC Diagnostics

USA • Port Matilda, PA

Tel: (1) 814-692-7661
Web: www.qbcdiagnostics.com
E-mail: sales@qbcdiag.com
Provides hematology and fluorescence microscopy products designed to improve the speed and quality of diagnostics at the point of care.

Qiagen

Germany • Hilden
Tel: (49) 2-103-29-12000
Web: www.qiagen.com
E-mail: qiagen@qiagen.com
Specializes in sample and assay technologies used to isolate and process DNA, RNA, and proteins from biological samples such as blood or tissue.



Quantimetrix

USA • Redondo Beach, CA
Tel: (1) 310-536-0006
Web: www.4qc.com
E-mail: info@4qc.com
Develops and manufactures clinical diagnostic products including electrophoresis systems and diagnostic assays. Existing products include urinalysis, general chemistry and specialty chemistry controls, and whole blood controls. Recent products include Lipoprint, a LDL subfraction test system, as well as Glyco-Hemosure, a Hemoglobin A1c control.

Quidel

USA • San Diego, CA
Tel: (1) 858-552-1100
Web: www.quidel.com
E-mail: custserv@quidel.com
Develops, manufactures and markets rapid diagnostic tests at the point-of-care (POC) that focus on infectious diseases and reproductive health.

Quimica Clinica Aplicada

Spain • Tarragona
Tel: (34) 977-706-230
Web: www.qca.es
E-mail: export@qca.es
Manufactures IVD reagents for use in biochemistry, immunology, hemostasis, microbiology, histopathology, and hematology applications.

Quotient Diagnostics

An EKF Diagnostics Company
UK • Walton-on-Thames, Surrey
Tel: (44) 1932-220124
Web: www.quotientdiagnostics.co.uk
E-mail: info@quotientdiagnostics.co.uk
Specializes in point-of-care testing, including the Quo-Test point-of-care system for lab quality diabetes testing in clinics and offices.



R-Biopharm

Germany • Darmstadt
Tel: (49) 6151-8102-0
Web: www.r-biopharm.com
E-mail: info@r-biopharm.de
Develops, produces and markets enzyme immunoassays for the detection of human infectious diseases. The product line contains test systems in the field of stool diagnostics, infectious disease, serology, and allergy testing.

Radim

Italy • Rome
Tel: (39) 06-91249-1
Web: www.radim.com
E-mail: info@radim.com
Manufactures in vitro immunodiagnostic systems. Areas of focus are allergy, infectivity, hormonology and more recently, autoimmunity and proteins.

Radiometer Medical

Denmark • Bronshøj
Tel: (45) 38-27-38-27
Web: www.radiometer.com
E-mail: radiometer@radiometer.dk
Products include blood gas analyzers; combined blood gas electrolyte, metabolite and oximetry analyzers; transcutaneous blood gas monitors.

RAL Técnica para el Laboratorio

Spain • Barcelona
Tel: (34) 93 480 80 47
Web: www.ral-sa.com
E-mail: comercial@ral-sa.com
Offers service to the clinical chemistry diagnostic field, focusing on the in vitro diagnostic field.



Randox Laboratories

UK • Crumlin
Tel: (44) 28-9442-2413
Web: www.randox.com
Specializes in diagnostic reagents and equipment for laboratory medicine. Products include Biochip Array Technology, clinical chemistry automation systems, quality control materials, external quality assurance schemes, clinical reagents, and environmental diagnostics.

▶ SEE AD ON PAGE 52

Reagentia

Finland • Toivala
Tel: (358) 17 3688 500
Web: www.reagentia.fi
E-mail: info@reagentia.fi
Focuses on areas of point-of-care diagnostics of infectious disease and immunity. Products include the development of ready-to-use test kits for POC and lab medicine.

Welcome to visit us at Arab Health 2013
Booth: RM39 (Rashid hall)

NEW

KH-101
Fully Automated by HPLC
HbA1c Analyzer

NEW

NB-202A
Semi-auto Chemistry Analyzer
(Holographic grating)

NEW

XB-2101
Automatic Electrolyte/chemistry Analyzer
(Up to 240 tests/hr)

NEW

NB-201
Semi-auto Chemistry Analyzer

NEW

CT-3180
3-part Differential Auto Hematology Analyzer

NEW

KB-120
Auto-Biochemistry Analyzer
(Up to 120 tests/hr)

NEW

XC-A30
ESR Analyzer
(30 positions)

NEW

BG-921A
Blood Gas Analyzer

NEW

NB-201C
Semi-auto Chemistry Analyzer
(With micro-cuvette)

NEW

KC-100A
Microplate Reader

Caretium Medical Instruments Co., Ltd.
Future Plaza, Building A, 10th Floor, Unit 1002, Nanshan, Shenzhen, China
Tel: +86 755 25273714 Fax: +86 755 25273096
Http://www.caretium.com E-mail: info@caretium.com



Rayto Life and Analytical Sciences

China • Shenzhen
Tel: (86) 755-8616-8996
Web: www.rayto.com

E-mail: info@rayto.com
Develops, manufactures, markets and services clinical laboratory instruments and reagents. The company's product range comprises chemistry analyzers, microplate readers, microplate washers, and coagulation analyzers.
▶ SEE AD ON PAGE 30

Response Biomedical

Canada • Vancouver, BC
Tel: (1) 604-456-6010
Web: www.responsebio.com

E-mail: customersupport@responsebio.com
Focuses on an immunoassay platform that provides diagnostic information. RAMP tests are commercially available for two congestive heart failure markers, three cardiac markers used in the detection of heart attack, three infectious disease markers used in the detection of influenza A+B and RSV, environmental detection of West Nile virus and biodefense applications, including the detection of anthrax, ricin, smallpox, and botulinum toxin.

RNA Medical

USA • Devens, MA
Tel: (1) 978-772-9070
Web: www.rnamedical.com
E-mail: salesupport@rnamedical.com
Supplies quality control materials and related products for blood gas, critical blood analyte, and diabetes care applications. The product line includes daily QC materials, calibration verification and linearity products, and glass capillary blood collection tubes.

Robonik India

India • Mumbai, Maharashtra
Tel: (91) 22-6782-9700
Web: www.robonikindia.in
E-mail: sales@robonikindia.com
Designs and manufactures diagnostic instruments intended to meet a wide spectrum of user requirements including a variety of analyzers and ELISA instruments, as well as plate readers and strip readers.

Roche Diagnostics

Switzerland • Basel
Tel: (41) 61-688-1111
Web: www.roche.com
Develops, manufactures, and markets a wide range of in vitro diagnostic systems, instruments, reagents, and tests.

SA Scientific

USA • San Antonio, TX
Tel: (1) 210-699-8800
Web: www.sascientific.com
E-mail: sales@sascientific.com
Focuses on rapid diagnostic tests for infectious and bacterial diseases, as well as food microbiology, veterinary testing, and environmental testing.

Sakura Finetek Europe

Netherlands • Alphen aan den Rijn
Tel: (31) 88-592-00-00

Web: www.sakuraeu.com
E-mail: sakura@sakura.eu
Manufactures products with a focus on tissue samplers and processors, as well as automated slide stainers and coverslippers. Brands offered include Tissue-Tek, Cyto-Tek and Accu-Edge.

Salimetrics

USA • State College, PA
Tel: (1) 814-234-7748
Web: www.salimetrics.com
Provide researchers, analytical and functional testing laboratories, and the immunodiagnostic industry with innovative salivary immunoassay products and services.

Samsung

Korea • Seoul
Tel: (82) 2-2194-1000
Web: www.samsungmedison.com
Develops, manufactures, and markets diagnostic products and solutions for IVD and point-of-care applications.

Sanquin Reagents

Netherlands • Amsterdam
Tel: (31) 20-512-35-99
Web: www.sanquinreagents.com
E-mail: reagents@sanquin.nl
Provides blood supplies and promotes transfusion medicine. The company has also developed a range of reagents, including several products for diagnostic use and for fundamental and clinical research.

Sarstedt

Germany • Nümbrecht
Tel: (49) 2293-3050
Web: www.sarstedt.com
E-mail: info@sarstedt.com
Develops, manufactures, and sells consumables and analytical equipment for medical diagnostics, as well as consumables, laboratory aids, and laboratory equipment for industrial and research laboratories.

Savyon Diagnostics

Israel • Ashdod
Tel: (972) 8-8562920
Web: www.savyondiagnosics.com
E-mail: info@savyondiagnosics.com
Develops, manufactures, and markets diagnostic kits for the detection of infectious diseases. The product lines are categorized according to areas of disease diagnosis: sexually transmitted diseases, respiratory tract infections, urinary tract infections, and rapid tests.

STAY ON TOP OF LAB MEDICINE NEWS!



VISIT
LabMedica
DAILY CLINICAL LAB NEWS
.com

ONLINE PORTAL

- ◆ **7 Daily News Channels:**
 - Clinical Chemistry ■ Genetic Testing
 - Lab Technology ■ Immunology
 - Microbiology ■ Hematology ■ Business
- ◆ Access LinkXpress service to receive instant online Product Information
- ◆ Apply for or renew your Free Subscription to LabMedica International
- ◆ International Calendar of biomedical congresses and meetings
- ◆ Hundreds of Links to Vendors, Archives, Organizations, Congresses

www.LabMedica.com

WORLD'S CLINICAL NEWS SOURCE
for advertising opportunities, contact ads@globetech.net

DIAsource 25-Hydroxyvitamin D Total ELISA

- A Fully Automated Solution
- Novel and extremely easy pre-treatment step directly in the microtiter plate: All-in-One
- Calibrated LC/MS-MS
- Specific for 25-Hydroxyvitamin D3 and D2



Powered by patented DIAsource® Monoclonal Antibodies

www.diasource.be

Visit us at

MEDLAB
Stand RF35

Always a Solution

LANZO Safety Lancets
Ergonomic design
Pressure-activated type
Non-rechargeable
Proven less painful

Lancing Device
Chosen by most meter manufacturers
Gentle penetration
Ejection the used lancet

Sterile Lancets
Sterile and single use
Tri-bevel point
Complete range of needle sizes

PLEASE VISIT OUR BOOTH AT ARAB HEALTH (Sheikh Rashid HALL - RA01)

GMMC
Global Medical Market Corporation

Room No. 1112, Ace Tower 9th Bldg., 345-30, Kasan-Dong, Kumcheon-Ku, Seoul, Korea
Tel: 82-2-2104-0470, Fax: 82-2-2104-0472,
http://www.gmmcgroup.com
e-mail: info@gmmcgroup.com

SCETI K.K.

Japan • Tokyo
Tel: (81) 03-5510-2651
Web: www.sceti.jp

Specializes in immunoassays, reagents, antibodies, and bioscience-related products for clinical chemistry laboratories.

Scimedx

USA • Denville, NJ
Tel: (1) 973-625-8822
Web: www.scimedx.com
E-mail: info@scimedx.com

Specializes in immunofluorescence, ELISA and membrane technologies for a range of autoimmune and infectious diseases.

SD Biosensor

Korea • Suwon
Tel: (82) 31-300-0475
Web: www.sdbiosensor.com
E-mail: sales@sdbiosensor.com

Offers a range of point-of-care test products that focus on early detection and diagnosis of various diseases.

SDIX

USA • Newark, DE
Tel: (1) 302-456-6789
Web: www.sdix.com
E-mail: pdany@sdix.com

Develops, manufactures, and markets antigens, antibodies, immunoassays, and IVD solutions for use in pharmaceutical and biotechnology applications.

Sebia

France • Evry
Tel: (33) 1-6989-8080
Web: www.sebia.com
E-mail: sebia@sebia.com

Specializes in the design and development of instruments and assays for electrophoresis. Products include automated capillary electrophoresis instruments, carbohydrate-deficient transferrin, high-resolution capillary electrophoresis and hemoglobin assays.

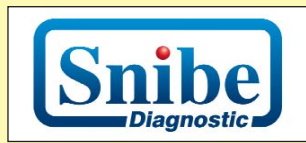
Sekisui Diagnostics

USA • Stamford, CT
Tel: (1) 203-602-7777
Web: www.americandiagnostica.com
E-mail: meetings@amdiag.com

Manufactures diagnostic intermediates, finished reagent kits for use on clinical chemistry analyzers, and point-of-care rapid tests.

Sentinel Diagnostics

Italy • Milan
Tel: (39) 0-2-3455-141
Web: www.sentinel.it
E-mail: sentinel@sentinel.it
Develops and supplies in vitro diagnostic reagents for clinical laboratories.



Shenzhen New Industries Biomedical Engineering (SNIBE)

China • Shenzhen
Tel: (86) 755-2650-1514
Web: www.snibe.com
E-mail: sales@snibe.com

Specializes in clinical laboratory instruments and IVD reagents including the production of nano magnetic microbead products, automated CLIA systems, analyzers and matched reagent kits, and magnetic enzyme immunoassay analyzers and matched reagent kits.

▶ SEE AD ON PAGE 10-11

Serosep

Ireland • Annacoty, Co. Limerick
Tel: (353) 61-358-190
Web: www.serosep.com
E-mail: info@serosep.com
Distributes a range of laboratory diagnostic products for clinical and environmental labs.



Siemens Healthcare Diagnostics

USA • Tarrytown, NY
Tel: (1) 914-631-8000
Web: www.siemens.com/diagnostics
E-mail: info.diagnostics.healthcare@siemens.com

Offers a broad range of products and services used for diagnosing medical conditions, monitoring patient therapy, and providing quality health care.

▶ SEE AD ON PAGE 2

Sinnova

China • Nanjing

Tel: (86) 025-8412-7188
Web: www.sinnowa.com
E-mail: sales@sinnowa.com
Specializes in researching, developing and manufacturing clinical laboratory equipment and reagents. The company has developed fully automatic clinical chemistry analyzers, coagulometers, microplate readers, and diagnostic reagents.

Skannex

Norway • Oslo
Tel: (47) 1-9924-7171
Web: www.skannex.com
E-mail: bent@skannex.com

Develops, manufactures, and markets software for image recognition, capturing, and analysis of bioassays, within the field of clinical diagnostics.

Slamed

Germany • Frankfurt
Tel: (49) 69-596-3964
Web: www.slamed.de
E-mail: slamed-frankfurt@t-online.de
Produces easy-to-operate, reliable devices for medical and biochemical laboratories.

SLR Research

USA • Carlsbad, CA
Tel: (1) 888-930-9496
Web: www.slrresearch.com
E-mail: admin@slrresearch.com
Provides manufacturers and end users with a wide range of autoimmune components, materials, and services.

SM Diagnostics

India • Chennai
Tel: (91) 44-2374-5508
Web: www.smdiag.net
E-mail: expcustomersupport@smdiag.net
Designs and markets diagnostic instruments and reagents, including products for semiautomatic coagulation analysis, and sodium potassium analysis.



Socorex

Switzerland • Ecublens
Tel: (41) 21-651-6000
Web: www.socorex.com
E-mail: socorex@socorex.com
Designs and manufactures manual and elec-

tronic micropipettes, multichannel pipettors, repeater pipettes, dispensers, pipette controllers and reusable syringes.

▶ SEE AD ON PAGE 31

Span Diagnostics

India • Surat, Gujarat
Tel: (91) 261-227-7211
Web: www.span.co.in
E-mail: span@spandiang.com
Focuses on research, development, and manufacturing of in vitro diagnostic and POC products.

Spectral Diagnostics

Canada • Toronto, ON
Tel: (1) 416-626-3233
Web: www.spectraldx.com
E-mail: info@spectraldx.com
Specializes in the development, production and sale of antibody-based tests to guide disease management.

Spinreact

Spain • St. Esteve d'en Bas (Girona)
Tel: (34) 972-690-800
Web: www.spinreact.com
E-mail: spinreact@spinreact.com
Develops and manufactures in vitro diagnostic reagents. Product applications include serology, clinical biochemistry, immunochemistry, rapid tests, blood grouping, coagulation, electrophoresis, and diagnostic instruments.

SPOT Imaging Solutions

USA • Sterling Heights, MI
Tel: (1) 586-731-6000
Web: www.spotimaging.com
E-mail: kenn.zorn@diaginc.com
Designs and manufactures scientific-grade digital cameras, imaging software, and optical accessories for clinical laboratories.

Stanbio Laboratory

An EKF Diagnostics Company
USA • Boerne, TX
Tel: (1) 830-249-0772
Web: www.stanbio.com
E-mail: stanbio@stanbio.com
Manufactures and markets clinical diagnostic reagents and test kits. The company offers a range of products including chemistry, TDM, point-of-care, pregnancy, serology, rapid tests and urinalysis. Recently added products include new methods for total and direct bilirubin, creatinine, and a WR CRP turbidimetric reagent set.

Norovirus
Responsible for almost 50% of gastrointestinal outbreaks worldwide

GI and GII IN INDEPENDENT bands

Visit us at
MEDLAB
Stand RD18

Operon
Immuno & molecular diagnostics
sales@operon.es
Tel. +34 976 503 597
www.operon.es

EMP
Emperor Medical

Add: 28/3/F, Building 15, No. 1008 Songbai Road, Nanshan District, Shenzhen, 518108, China
Tel: +86 755 26073285 27657246 26415597 Fax: +86 755 26073886
E-mail: business@china-emperor.com Http://www.china-emperor.com

Visit us at
MEDLAB
Stand RK30

G30
EMP-3000

G60

G70
COLOR DOPPLER ULTRASOUND SYSTEM

A8030
Automatic Chemistry Analyzer

CL-100
Automatic Chemistry Analyzer

EMP-168
Semi-automatic Chemistry Analyzer

Ui
Mini Urine Analyzer

M201
Microplate Elisa Reader

STRATEC Molecular

Germany • Berlin
Tel: (49) 30-9489-2908
Web: www.invitek.de
E-mail: info.berlin@stratec.com

Develops and manufactures reagents and kits for DNA/RNA stabilization, extraction, and purification using manual and automated systems.

Streck

USA • Omaha, NE
Tel: (1) 800-843-0912
Web: www.streck.com
E-mail: international@streck.com

Manufactures hematology, chemistry, and immunology products. The company is considered an innovator of hematology control products, having developed some of the first hematology reference controls and has since developed additional control products for automated instruments.

Sunostik Medical Technology

China • Changchun
Tel: (86) 431-8465-0222
Web: www.sunostik.com
E-mail: itd@sunostik.com

Specializes in researching, manufacturing, and marketing biochemical analyzers, coagulators, diagnostic reagents, and microwave therapeutic machines.

Sunquest Information Systems

USA • Tucson, AZ
Tel: (1) 520-570-2000
Web: www.sunquestinfo.com
E-mail: sales@sunquestinfo.com

Focuses on laboratory information and solutions specifically designed for general laboratory, pathology, blood bank, microbiology, molecular, and other specialty areas in the clinical diagnostic field.

SurModics

USA • Eden Prairie, MN
Tel: (1) 952-500-7000
Web: www.surmodics.com

Develops reagents and applications for the biomedical research and diagnostic markets. The company provides high-sensitivity substrate chemistries and various diagnostic applications involving high-sensitivity chromogen substrates (colored chemical markers).

Sysmex

Germany • Norderstedt
Tel: (49) 40-534-10-20
Web: www.sysmex.de
E-mail: info@sysmex.de

Distributes and supports automated in vitro diagnostic hematology, coagulation and urinalysis analyzers, reagents, and information systems for laboratories and healthcare facilities.

Tecan

Switzerland • Männedorf
Tel: (41) 44-922-81-11
Web: www.tecan.com
E-mail: info@tecan.com

Specializes in the development, production, distribution and servicing of solutions for the discovery of pharmaceutical substances, as well as genomics, proteomics and diagnostics. The company develops measurement, analysis, and laboratory automation instruments.

Teco Diagnostics

USA • Anaheim, CA
Tel: (1) 714-463-1111
Web: www.tecodiag.com

Teco Diagnostics manufactures a range of products including urine reagent strips, clinical chemistry reagents, rapid tests, serology latex kits, ELISA, instruments, and blood glucose devices.



Lab Tests Online®

A Global Standard for Patient Education

teaching
the
world
about
lab
medicine
since 2001

in English

en español

auf Deutsch

po polsku

magyarul

in italiano

στα Ελληνικά

v češtině

en français

中文版

em Português

Türkçe

in limba Romana

한국어판

www.labtestsonline.info



Tecom Science

China • Nanchang
Tel: (86) 791-8811-0293
Web: www.tecom-cn.com
E-mail: sales@tecom-cn.com

Develops and manufactures in vitro diagnostic reagents, as well as high tech medical equipment, including biochemistry analyzers.

▶ SEE AD ON PAGE 28

Telstar Technologies

Spain • Terrassa
Tel: (34) 937-361-600
Web: www.telstar.eu

Designs and manufactures laboratory equipment for R&D, quality control, and analysis in sectors related to life and health sciences. Products available include vertical and horizontal laminar flow benches, biosafety cabinets, lyophilizers, containment and sterile isolators, and ultrafreezers.

Thermo Fisher Scientific

USA • Waltham, MA
Tel: (1) 781-622-1000
Web: www.thermofisher.com

Provides analytical instrumentation, lab equipment, automation technologies, reagents and consumables, and LIMS solutions to determine disease markers or analytes of diagnostics interest.

Titertek-Berthold

Germany • Pforzheim
Tel: (49) 7231-92-060
Web: www.titertek-berthold.com

Manufactures measurement instruments and sample processing equipment for biological samples.

Tokra Medikal

Turkey • Ankara
Tel: (90) 312-395-6009
Web: www.tokra.com.tr
E-mail: info@tokra.com.tr

Manufactures semiautomatic coagulation analyzers, as well as diagnostic instruments for hemostasis, clinical chemistry, cytogenetics, genetics, research and molecular biology.

Tokyo Boeki

Japan • Tokyo
Tel: (81) 3-3555-7211
Web: www.tokyo-boeki.co.jp

Develops and markets a multifunction, small-sized automatic biochemical analyzer that is capable of processing 240 tests an hour.

Tosoh Bioscience

Belgium • Tessenderlo
Tel: (32) 13-66-8830
Web: www.tosohbioscience.com
E-mail: info.diag.eu@tosoh.com
Provides in vitro diagnostic analyzers, products and services for Immunoassay and HPLC applications.

Toyobo

Japan • Osaka
Tel: (81) 6-6348-3111
Web: www.toyobo.co.jp
Manufactures biopharmaceuticals using genetically engineered animal cells, specializing in cell culture technology, usable protein refinement and genetic and cell engineering. Currently, the company is focusing on genome drug discovery support and contract manufacturing of therapeutic antibodies.

Treff

Switzerland • Degersheim
Tel: (41) 71-372-55-55
Web: www.treff-ag.ch
E-mail: m.haas@treff-ag.ch
Manufactures medical plastic components, medical devices, and plastic consumables.

TriContinent

USA • Grass Valley, CA
Tel: (1) 530-273-8888
Web: www.tricontinent.com
E-mail: liquidhandling@tricontinent.com
Manufactures subsystems for clinical and biotechnology automated instruments.

TriLink BioTechnologies

USA • San Diego, CA
Tel: (1) 858-546-0004
Web: www.trilinkbiotech.com
E-mail: info@trilinkbiotech.com
Manufactures custom oligonucleotides, modified nucleoside triphosphates and CleanAmp PCR products for the diagnostic market.

Trinity Biotech

Ireland • Bray, Co. Wicklow
Tel: (353) 1-276-9800
Web: www.trinitybiotech.com
E-mail: info@trinitybiotech.com
Specializes in the development, manufacture, and marketing of products for point-of-care (POC) and the clinical laboratory. The test kits are used to detect infectious diseases, sexually transmitted diseases, blood coagulation disorders, and autoimmune diseases.

Tyson Bioresearch

Taiwan • Chunan
Tel: (886) 37-585988
Web: www.web.tysonbio.com
E-mail: sales_int@tysonbio.com
Specializes in advanced rapid in vitro immunodiagnostic test systems, including blood glucose monitoring systems for everyday use, and electrical biosensing systems.

TZD Technological Stock

China • Xiamen
Tel: (86) 592-6376166
Web: www.xmtzd.com
E-mail: sales@xmtzd.com
Focusing on research and large-scale production of a chemiluminescent immunity analysis system, a laser perforator, and an infrared anthropometer.

Unitma

Korea • Seoul
Tel: (82) 2-420-0070
Web: www.unitma.com
E-mail: unitma@unitma.com
Develops manual and fully automated tissue microarrays, as well as paraffin block trimmers, for various lab applications.

URIT Medical Electronic

China • Guilin, Guangxi
Tel: (86) 773-2288582
Web: www.uritest.com
E-mail: export@uritest.com.cn
Manufactures urine analyzers and reagent strips. The product range has expanded from single urine analyzers to multistructure urine analyzers, hematology analyzers, as well as biochemistry analyzers.

Vector-Best

Russia • Novosibirsk
Tel: (7) 383-3326-749
Web: www.vector-best.com
E-mail: vbmarket@vector-best.ru
Focuses on the research, development, and manufacture of ELISA kits and clinical chemistry reagents for public health.

Veda.Lab

France • Alençon
Tel: (33) 2-33-27-56-25
Web: www.vedalab.com
Offers a range of rapid immunodiagnostic products for professional, home use and point-of-care (POC) testing. The company supplies fertility, infectious disease, drugs of abuse, tumor marker, cardiac marker and specializes in syphilis, tuberculosis, malaria and hepatitis tests.



Vicotex

Switzerland • Pully
Tel: (41) 21-728-4286

Web: www.vicotex.com
E-mail: contact@vicotex.com
Specializes in the production of hospital and laboratory equipment, including products for central sterilization.

▶ SEE AD ON PAGE 46

Vital Diagnostics

Australia • Bella Vista, NSW
Tel: (61) 2-9894-6988
Web: www.vitaldiagnostics.com
E-mail: info@vitaldiagnostics.com
Manufactures and distributes clinical chemistry and hematology analyzers, along with reagents, to the in vitro diagnostics market.

Vitro

Spain • Madrid
Tel: (34) 91-382-16-20
Web: www.vitroweb.com
E-mail: vitro@vitroweb.com

Barcoded Cartridged Liquid Reagents

for use on Synchron® CX®, LX®, DxC Systems, Olympus® AU400, AU640, AU2700 and AU5400 Systems and CLC720, CLC480 and BioLis

Full line of barcoded liquid ready-to-use reagents

- Complete line of reagents, calibrators and controls
- Menu of 100 chemistries
- 14-day calibration and 30-day onboard stability (most assays)
- Carolina/Synchron assayed controls
- Drugs of Abuse tests including: Oxycodone, Buprenorphine and 6-Acetylmorphine
- Ferritin, Transferrin, Lp(a), CRP
- Easy conversion
- Enzymes – do not require daily blank
- Homocysteine – low cost enzymatic
- HbA1c – single channel
- Lithium – low cost stable reagent

Email: contactsales@carolinachemistries.com

CAROLINA LIQUID CHEMISTRIES CORP.

www.carolinachemistries.com



www.islh.org

XXVIth International Symposium on Technological Innovations in Laboratory Hematology

TORONTO, CANADA | MAY 10-12, 2013 | SHERATON CITY CENTRE



Specializes in products including reagents and intelligent analysis software for application in flow cytometry, FISH probes for detecting nonrandom chromosomal abnormalities, software applications for pathology and PCR kits for HPV and lymphomas.

VPD

Slovenia • Bled
Tel: (386) 4-574-50-70
Web: www.3in1.si

E-mail: ziga.galicic@3in1.si

Develops, manufactures, and markets the 2-in-1 and 3-in-1 multiparameter meters designed for monitoring glucose, cholesterol, and triglycerides in the blood.

W.H.P.M.

USA • Irwindale, CA
Tel: (1) 626-443-8480
Web: www.whpm.com

E-mail: info@whpm.com

Focuses on the research and development of one-step rapid membrane tests. Also, with sister company W.H.P.M. Bioresearch Technology Co., Ltd., W.H.P.M. has researched, developed, and produced rapid

test systems that include current product Hemosure.

Wako

Japan • Osaka
Tel: (81) 6-6203-3741

Web: www.wako-chem.co.jp/english

Develops and manufactures products for three areas: laboratory chemicals, specialty chemicals, and diagnostic reagents.

Wama Diagnostica

Brazil • São Carlos
Tel: (55) 16-3377-9977

Web: www.wamadiagnostica.com.br

Focuses on providing the clinical chemistry industry with products for extensive laboratory test procedures with products for rapid tests, pharmaceutical, latex, hemagglutination, immunofluorescence, and ELISA testing.

Webers

Germany • Oberhausen
Tel: (49) 208-305-505-0

Web: www.webers.de

E-mail: info@webers.de

VicoLab®

Your Source for Sterilization Accessories

THERMO RESISTANT GLOVES

Up to 37 cm in length



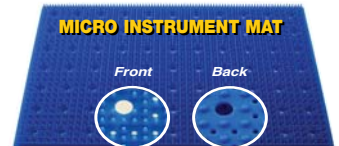
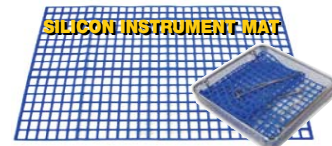
2013 CATALOG AVAILABLE

STERILIZABLE INSTRUMENT & WORK-SURFACE MATS

- ▶ Thermo-Resistant (-60 °C to 300 °C)
- ▶ Fully Washable & Flexible
- ▶ Suitable for central sterilization services
- ▶ Sterilizable



Heavy Silicone Cover & Transport Tablet



Exchangable Nets



Exchangable Net



100% Silicone Size: 2400 x 1200 mm (3 mm thick)

2013
LABORATORY MEDICINE CONGRESS
Serving Science at the Table

28 – 31 JULY 2013
CAPE TOWN
INTERNATIONAL
CONVENTION CENTRE
SOUTH AFRICA

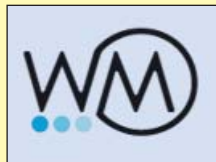
www.lmcongress.com

Specializes in the field of blood gas and offers plastic end-to-end capillaries, plastic heparinized blood gas capillaries and syringes, and capillary blood collection systems.

Wescor
An ELITech Group Company

USA • Logan, UT
Tel: (1) 435-752-6011
Web: www.wescor.com
E-mail: biomed@wescor.com

The company's Biomedical Products division markets products such as unique vapor pressure and colloid osmometers, automatic slide stainers, cytocentrifuges, and diagnostic systems.



West Medica

Austria • Vienna
Tel: (43) 1-804-81-84
Web: www.westmedica.com
E-mail: vienna@westmedica.com

Designs equipment for laboratory research and microscopy.

▶ SEE AD ON PAGE 8

Wheaton Science Products

USA • Millville, NJ
Tel: (1) 856-825-1100
Web: www.wheatonsci.com

Manufactures and markets laboratory instruments and equipment, liquid handling equipment and specialty glass apparatus. Products include containers and vial products from both Type I borosilicate glass and Type III soda lime glass, plastic resins, the BOD (Biological Oxygen Demand) bottle, glass scintillation vials and a variety of glass and plastic rigid containers and closures.

Wiener Laboratorios

Argentina • Rosario
Tel: (54) 341-432-9191
Web: www.wiener-lab.com.ar
E-mail: administra@wiener-lab.com.ar

Develops, manufactures and markets diagnostic reagents. Products are intended for clinical chemistry, specialized hospital laboratories, as well as for blood banks. Applications include in vitro diagnostic reagent kits for use in clinical chemistry and coagulation.

Wilmad-LabGlass

USA • Vineland, NJ
Tel: (1) 856-691-3200
Web: www.wilmad-labglass.com

Manufactures glass tubing and components, as well as consumables and accessories, for a range of clinical chemistry and biotech applications.

WLD-TEC

Germany • Arenshausen
Tel: (49) 36-0816-8940
Web: www.wld-tec.com
E-mail: sales@wld-tec.com

Specializes in stationary and mobile safety laboratory gas burners, as well as electrical sterilization systems, and a wide range of available accessories.

Wondfo Biotech

China • Guangzhou
Tel: (86) 20-3229-9999
Web: www.wondfo.com.cn
E-mail: marketing@wondfo.com.cn

Manufactures medical diagnostic testing kits, as well as biochemical reagents. The

company focuses on labeling techniques with automated procedures for water purgation, cell cultivation, purity analysis, packaging, and sorting and testing.

Worthington Biochemical

USA • Lakewood, NJ
Tel: (1) 732-942-1660
Web: www.worthington-biochem.com
E-mail: custservice@worthington-biochem.com

Manufactures purified enzymes, proteins, nucleic acids, and kits for applications in biotech and life science research, as well as diagnostic, biopharmaceutical, and bioprocessing applications.

Yashraj Biotechnology

India • Mumbai, Maharashtra
Tel: (91) 22-3240-8164

Web: www.yashraj.com
E-mail: marketing@yashrajbio.com

Manufactures antigens for use in manufacturing of controls and/or calibrators or as primary antigen for immunization for raising antibodies. Also manufactures antibodies for immunoassay systems for laboratory-based research and development.

YD Diagnostics

Korea • Yongin, Gyeonggi
Tel: (82) 031-329-2000
Web: www.yd-diagnostics.com
E-mail: admin@yd-diagnostics.com

Specializes in the manufacture of total in vitro diagnostic products. Product applications include urinalysis, blood glucose, rapid tests, clinical chemistry, and staining solutions.

Zer Hitech

Israel • Jerusalem
Tel: (972) 2-995-5550
Web: www.zerhitech.com
E-mail: contactus@zerhitech.com

Develops, manufactures, and markets a wide range of one step, rapid, and Elisa diagnostic tests.

Zinsser Analytic

Germany • Frankfurt
Tel: (49) 69-78-91-06-0
Web: www.zinsser-analytic.com
E-mail: info@zinsser-analytic.com

Develops, manufactures, and markets laboratory solutions for liquid handling and automation, including high quality vials and scintillators, as well as systems for drug discovery, material science, and combinatorial chemistry.

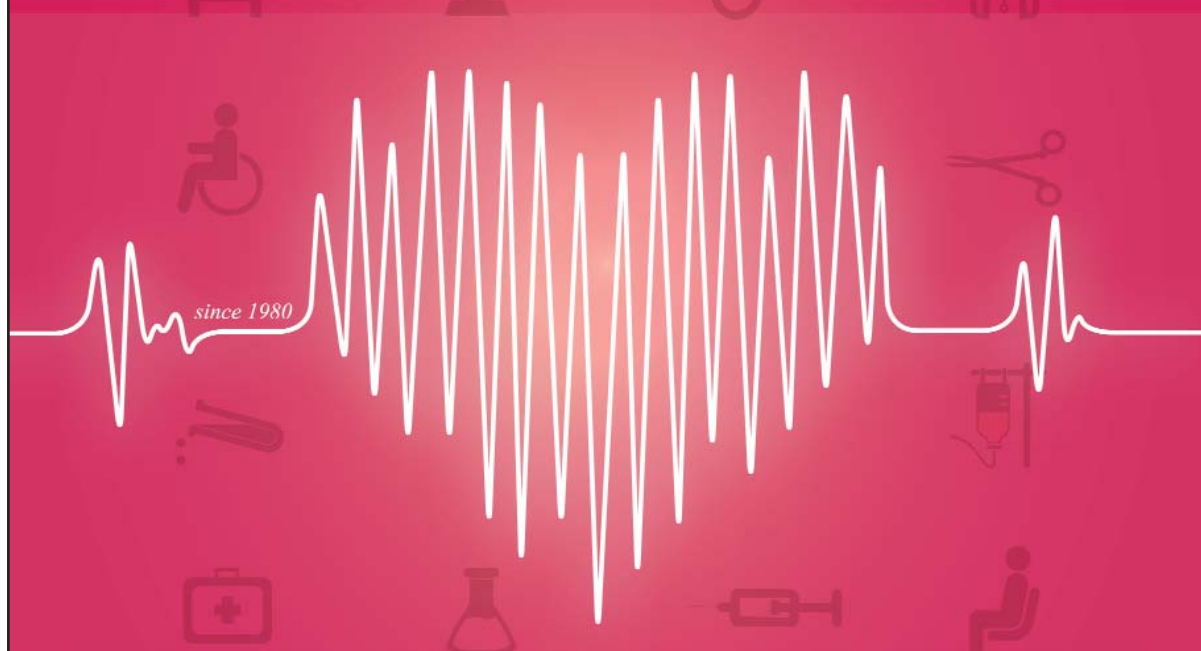
KiMES 2013

29th Korea International Medical + Hospital Equipment Show

www.kimes.kr



+ Northeast Asia's premier medical fair!!
1200 companies from 35 countries participating



March 21 - 24
coex, Seoul, KOREA

ORGANIZERS
Korea E & Ex Inc. | KMDICA | KMDIA



Head office Korea E & EX Inc.
Tel: +82(2)551-0102 Fax: +82(2)551-0103 E-mail: kimes@kimes.kr



ARGENTINA

AADEE
JS Medicina Electronica
Wiener Laboratorios

AUSTRIA

Dialab
Greiner Bio-One
International
West Medica

AUSTRALIA

Vital Diagnostics

BELGIUM

Coris BioConcept
DIAsource ImmunoAssays
Tosoh Bioscience

BRAZIL

Labtest
Wama Diagnostica

CANADA

Affinity Biologicals
DNA Genotek
MDS Nordion
Pro-Lab Diagnostics
Response Biomedical
Spectral Diagnostics

CHINA

AccuBio Tech
Aeon Technology
Autobio Diagnostics
Bioer Technology
Biosino Bio-Technology
Biote Company of China
Blue Cross Bio-Medical
Caretium Medical
Instruments
Chemclin Biotech
Chemtron Biotech
Da An Gene
DiaCor Bioscience
Dirui Industrial
Dragon Medical
Emperor Electronic
Technology
Fosun Med-Tech
Genius Electronics
Getein Biotechnology
Goldsite Diagnostics
Gongdong Medical
Technology
Haier Medical and
Laboratory Products
Horron XLH Medical
iCubio Biomedical
Technology
InTec Products
Kehua Bioengineering
Labnovation Technologies
Landwind Medical
Long Island Biotech

Maxcom Electronic
Meizhou Cornley Hi-Tech
Mindray
Perlong Medical Equipment
Procan Electronics
Rayto Life and
Analytical Sciences
Shenzhen New Industries
Biomedical Engineering
(SNIBE)
Sinnowa
Sunostik Medical
Tecom Science
Urit Medical Electronics
Wondfo Biotech
Xiamen TZD

COLOMBIA

Carperlabs

CZECH REPUBLIC

Dynex Technologies
Erba Lachema

DENMARK

BioPorto Diagnostics
Capp
Dako
Kem-En-Tec Diagnostics
Radiometer Medical

FINLAND

Ani Labsystems
Biohit HealthCare
HyTest
Kaivogen
Medix Biochemica
Orion Diagnostica
Reagent Oy

FRANCE

AES Chemunex
All.Diag
Bertin Technologies
Biolabo
BioMerieux
BioSampling Systems
Diagast
Diagnostica Stago
ELITech Group
Horiba Medical
Laboratoires Eurobio
Magnisense
Melet Schloesing
Laboratories
Sebia
Veda.Lab

GERMANY

AESKU Diagnostics
Analyticon Biotechnologies
Astra Biotech
Berthold Technologies
BRAHMS
Brand

Carl Zeiss MicroImaging
Cellasys
Chromsystems
DiaSys Diagnostic Systems
Dometic Medical Systems
Eppendorf
Erba Diagnostics Mannheim
Euroimmun
Greiner Diagnostic
Hecht, Karl
Hettich
Human
Kabe Labortechnik
LDN Labor Diagnostika Nord
Leica Microsystems
LRE Medical
Macherey-Nagel
NovaTec Immundiagnostica
Orgentec Diagnostika
Partec
Qiagen
R-Biopharm
Sarstedt
Slamed
STRATEC Molecular
Sysmex
Titertek-Berthold
Webers
WLD-TEC
Zinsser Analytic

GREECE

Medicon

HUNGARY

77 Elektronika
Diagnosticum
Diagon
Diatron
GenoID
Institute of Isotopes

INDIA

Fine Care Biosystems
LabONE
Magnus Analytics
Micro Lab Instruments
Microlit
Robonik India
SM Diagnostics
Span Diagnostics
Yashraj Biotechnology

IRELAND

Argutus Medical
Audit Diagnostics
Biotrin International
Serosep
Trinity Biotech

ISRAEL

Savyon Diagnostics
Zer Hitech

ITALY

ABS Advanced Biomedical
Systems
Adaltis
Alifax
AMS-ASSEL
Biomat
Biosigma
Biotechnica Instruments
BPC BioSed
Callegari
Chema Diagnostica
Copan Diagnostics
Crony Instruments
Das
Delcon
Diametra
DIA.PRO Diagnostic
Bioprobes
DiaSorin
Diesse Diagnostica
EuroClone
Eurospital
GlycBy
Kartell Labware
Liofilchem
LP Italiana
Menarini, A., Diagnostics
PBI International
RADIM
Sentinel

JAPAN

Apel
Astech
Denka Seiken
Hitachi Aloka Medical
IWAKI
Nihon Kohden
SCETI K.K.
Tokyo Boeki
Toyobo
Wako

KOREA

Asan Pharmaceutical
Bio Focus
Ceragem Medisys
DFI
GMMC
Hanlab
Humasis
INCYTO
Samsung
SD Biosensor
Unitma
YD Diagnostics

NETHERLANDS

Alfa Wassermann
IQ Products
Panasonic
Sakura Finetek Europe
Sanquin Reagents

NEW ZEALAND

Canterbury Scientific

NORWAY

Skannex

POLAND

Cormay
HTL
MPW Med. Instruments

RUSSIA

Medical Biological Union
Vector-Best

SINGAPORE

Esco Micro

SPAIN

BioKit
BioSystems
Certest Biotec
Chronolab
Cytognos
Deltalab
Grifols International
JP Selecta
Linear Chemicals
Master Diagnostica
Operon
Quimica Clinica Aplicada
RAL Tecnica
Spinreact
Telstar Technologies
Vitro

SLOVENIA

VPD

SWEDEN

Boule Medical
CellaVision
Euro-Diagnostica
Labex
Nordic Biomarker

SWITZERLAND

Agappe Diagnostics
Switzerland
Bühlmann Laboratories
Lobeck Medical
Orphee Medical
Pentapharm
Roche Diagnostics
Socorex
Tecan
Treff
Vicotex

TAIWAN

Apex Biotechnology
Gemmy Industrial
GeneReach Biotechnology
Lanner Biotechnology
Tyson Bioresearch

TURKEY

Mega Tip Industry & Trade
Nüve
Tokra Medikal

UK

AbD Serotec
Adam Equipment
American Biochemical &
Pharmaceuticals
Axis-Shield
BBInternational
Binding Site, The
Cecil Instruments
Cytocell
DiaSys
EKF Diagnostics
ELGA Labwater
Fluorogenics
Immunodiagnostic Systems
Lab M
Lab21 Healthcare
Mast Group
Omega Diagnostics
Oxoid
Prospect Diagnostics
Quotient Diagnostics
Randox Laboratories

USA

AB Sciex
Abaxis
Abbott Diagnostics
Acon Laboratories
Advanced Instruments
Alere
Alfa Scientific Designs
Ameritek USA
Aries Filterworks
Arista Biologicals
Artel
Atlas Link
Autogenomics
Awareness Technology
BD Diagnostics
Beckman Coulter
Bel-Art Products
BioAssay Works
Biologix Research Company
Biomedical Polymers
Biomerica
Bio-Rad Laboratories
Bio-Tek Instruments
Biosearch Technologies
Biotron Diagnostics
Block Scientific
Calbiotech
Carolina Liquid Chemistries
Cepheid
Chembio Diagnostic Systems

Clinical Diagnostics
Corgenix
Diagnostic Automation
Diadexus
Diamedix
Diamond Diagnostics
Diazyme Laboratories
DRG International
Drucker Company, The
EMD Millipore
Eurotrol
Fluid Metering
Focus Diagnostics
Fujirebio Diagnostics
GenMark Diagnostics
Globe Scientific
Health-Chem Diagnostics
Helena Laboratories
Helmer
HEMCO
HemoCue
Hemosure
Hologic Gen-Probe
Hycor Biomedical
Immco Diagnostics
Immucor Gamma
Immunitics
Immuno Concepts
Inova Diagnostics
Instrumentation Laboratory
International
Immuno-Diagnostics

Invetech
Iris Diagnostics
Iris Sample Processing
ITC
JAJ International
JAS Diagnostics
Kamiya Biomedical
Lampire Biological
Laboratories
Lee Company, The
LifeSign
Luminex
LuSys Laboratories
LW Scientific
Magellan Biosciences
MagnaBioSciences
Medica Corporation
Meridian Biosciences
Meridian Life Science
MicroBioLogics
Midland BioProducts
Moss
MP Biomedicals
MYCO Instrumentation
Nikon Instruments
Nova Biomedical
NuAire
Oasis Diagnostics
OraSure Technologies
Ortho-Clinical Diagnostics
Oyster Bay Pump Works
Peripheral Visions

PerkinElmer
Pointe Scientific
Phthisis Diagnostics
Polymedco
Puritan Medical Products
QBC Diagnostics
Quantimetrix
Quidel
RNA Medical
SA Scientific
Salimetrics
Scimedex
SDIX
Sekisui Diagnostics
Siemens Healthcare
Diagnostics
SLR Research
SPOT Imaging Solutions
Stanbio Laboratory
Streck
Sunquest Information
Systems
SurModics
Teco Diagnostics
Thermo Fisher Scientific
TriContinent
TriLink BioTechnologies
W.H.P.M.
Wescor
Wheaton Science Products
Wilmad-LabGlass
Worthington Biochemical

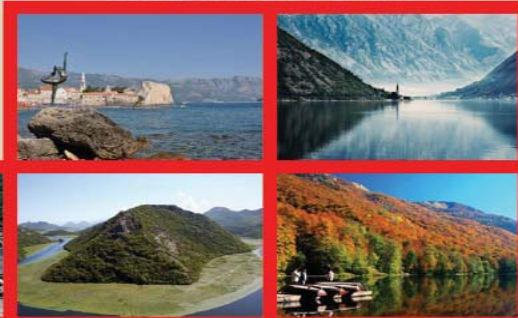
**BCLF2013
BUDVA**

**21ST MEETING OF THE BALKAN
CLINICAL LABORATORY FEDERATION**

1ST MONTENEGRIN CONFERENCE OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE PRVI CRNOGORSKI KONGRES KLINIČKE HEMIJE I LABORATORIJSKE MEDICINE

September 25-28, 2013 • Budva, Montenegro

www.BCLF2013.org



**20th IFCC - EFCC European Congress of
Clinical Chemistry and Laboratory Medicine**

45th Congress of the Italian Society of
Clinical Biochemistry and Clinical Molecular Biology (SIBioC)

Milan, Italy
Milano Convention Centre - MICplus
19-23 May 2013

www.milan2013.org

ADVERTISING INDEX

Inq.No.	Advertiser	Page	Inq.No.	Advertiser	Page
106	77 Elektronika	6	-	EuroMedLab 2013	49
-	AACC	44	125	Globe Scientific	25
135	AB Sciex	35	140	GMMC	42
132	Advanced Instruments	32	138	Goldsite	38
119	Ameritek USA	19	106	Horrn XLH Medical	18
124	Apel	24	109	Instrumentation Laboratory	9
118	Atlas Link	18	-	LabMedica.com	4, 42
105	Autobio	5	-	KIMES 2013	47
-	BCLF 2013	49	139	MP Bio	39
117	BIO-RAD	17	121	Nuaire	21
133	Biosystems	33	142	Operon	43
129	Brand	29	127	Panasonic	26-27
141	Caretium	41	120	Phthisis	30
145	Carolina	45	126	Pointe Scientific	40
151	Cellavision	51	136	Quantimetrix	36
116	DiagCor	38	115	R-Biopharm	15
114	DiaSource	42	152	Randox	52
113	Diagnostica Stago	13	110	Rayto	30
112	Diasys	23	102	Siemens Healthcare	2
137	DIRUI	37	111	SNIBE	10-11
134	DRG	34	131	Socorex	31
122	Elga / Veolia	22	130	Tecom	28
103	ELITech Group	3	146	Vicotex	46
143	Emperor	43	108	West Medica / Vision	8
107	Erba	7			

Provided as a service to advertisers. Publisher cannot accept responsibility for any errors or omissions.



2 EASY WAYS
To Continue/Start Your
FREE Subscription

1 ONLINE
Visit LinkXpress.com to enter your subscription data and reader inquiries.

2 BY FAX

- **Fill-out** all required data on Reader Service Card including signature and date (incomplete or unsigned cards cannot be processed).
- **Circle** inquiry numbers of interest to receive free information
- **Fax** card without delay to: **++1-954-893-0038**

ATTENTION: IF YOUR APPLICATION IS NOT RECEIVED AT LEAST ONCE EVERY 12 MONTHS YOUR FREE SUBSCRIPTION MAY BE AUTOMATICALLY DISCONTINUED

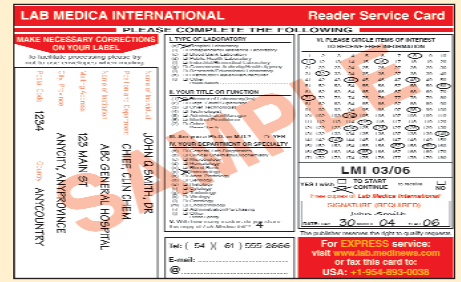
► **Renew/Start your Free Subscription**
► **Instant Online Product Information**

Every advertisement or product item in this issue contains a **LinkXpress®** number as shown below:



- 1 Identify **LinkXpress®** codes of interest as you read magazine
- 2 Click on **LinkXpress.com** to reach reader service portal
- 3 Mark code(s) of interest on **LinkXpress®** inquiry matrix

Or, Circle **LinkXpress** Numbers of Interest on Reader Service Card and Fax Card to: **++1-954-893-0038**



LAB MEDICA INTERNATIONAL Reader Service Form

PLEASE COMPLETE THE FOLLOWING

WRITE CLEARLY IN BLOCK LETTERS or AFFIX YOUR SUBSCRIBER LABEL APPEARING ON COVER

Subscriber Code on Your Label (Needed for All Renewals)

Name of Individual

Position and Department

Name of Institution

Mailing Address

City, Province

Postal Code

Country

I. TYPE OF LABORATORY

(a) Hospital Laboratory
 (i) Independent/Reference Laboratory
 (c) Blood Bank Laboratory
 (d) Public Health Laboratory
 (f) Industrial/Biomedical Laboratory
 (g) Government Authority/Health Agency
 (h) Research/Educational Laboratory
 (j) Distributor/Dealer/Manufacturer
 (k) Other
 Please Specify:

II. YOUR TITLE OR FUNCTION

(1) Director of Laboratory(ies)
 (2) Dept. Chief/Supervisor
 (3) Chief Technologist
 (4) Technologist
 (5) Administrator/Manager
 (6) Medical Practitioner
 (7) Other
 Please Specify:

III. Are you a Ph.D. or M.D.? YES

IV. YOUR DEPARTMENT OR SPECIALTY

(h) General Lab Diagnostics
 (b) Clinical Chemistry/Biochemistry
 (c) Microbiology
 (d) Hematology
 (e) Blood Bank
 (p) Immunology
 (a) Anat. Pathology
 (o) Serology
 (q) Histology
 (t) Cytology
 (g) Toxicology
 (k) Virology
 (l) Oncology
 (m) Endocrinology
 (j) Administration/Purchasing
 (f) Other
 Please Specify:

V. With how many readers do you share this copy of Lab Medica Intl?

VI. CIRCLE LINKXPRESS NUMBERS OF INTEREST TO RECEIVE FREE INFORMATION

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300

LMI-01-13

Yes, I wish to receive free copies of **Lab Medica International**

SIGNATURE (REQUIRED)

DATE: DAY MONTH YEAR

The publisher reserves the right to qualify requests

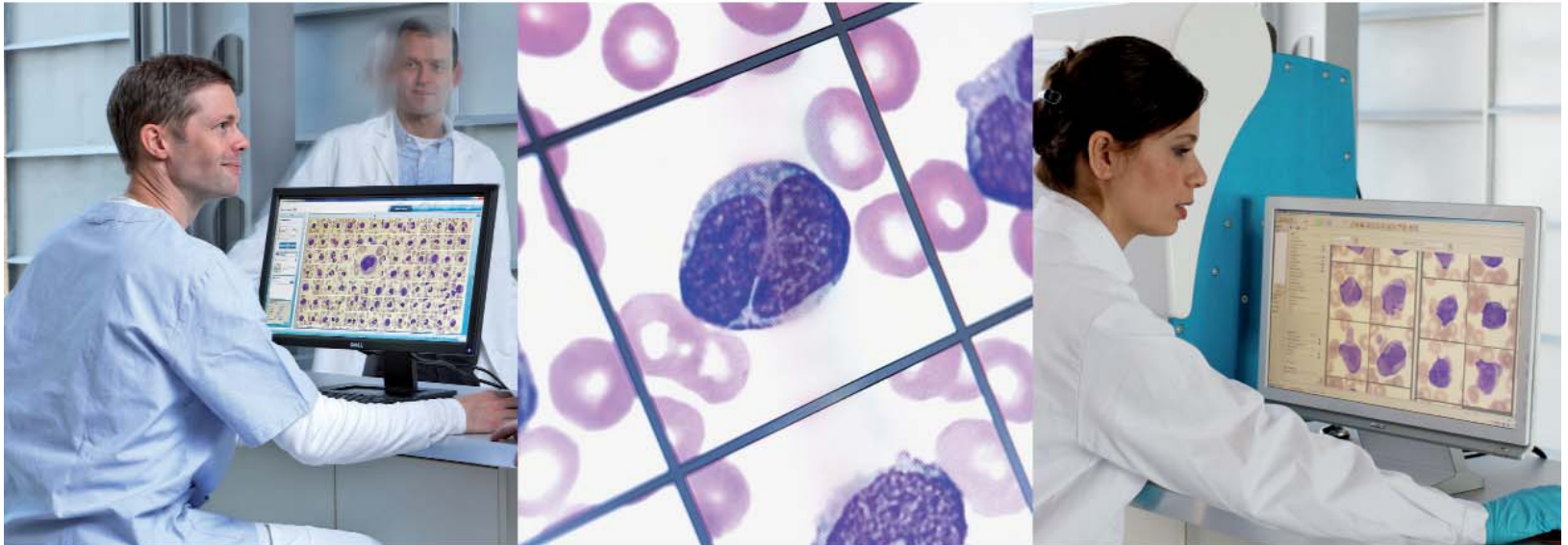
For EXPRESS service: visit www.LinkXpress.com or fax this form to: USA: ++1-954-893-0038

Tel: (.....)(.....)

E-MAIL (REQUIRED):

@

Small labs can now become best practice in cell morphology



If you are a small lab performing cell differentials— not within easy reach of morphology expertise—you can streamline patient care by using the CellaVision® Image Capture System.*

Using your existing microscope, our Image Capture System helps you to find, focus and capture cell images and transmit them over your network to a CellaVision® DM96 or DM1200 analyzer in a main lab where the review is then performed.

This gives you the benefits of:

- Ensured quality throughout your health network
- Reduced need for morphology expertise at all locations
- Minimal turnaround time and patient wait

** The CellaVision® Image Capture System is not yet available.*

To get more information please visit www.cellavision.com/newproduct

www.cellavision.com
blog.cellavision.com
App: CellAtlas®

CELLAVISION® 

The perfect combination



Acusera QC and Acusera 24•7 Live Online

Randox is a world leading manufacturer of innovative QC solutions including third party controls and Acusera 24•7 an inter-laboratory data management package. Together they form a winning combination helping to effectively monitor analytical performance and improve laboratory quality control.

aQusera

Acusera Internal Quality Controls

- Third party controls covering over 300 parameters
 - Highest quality material
 - Minimal lot to lot variation
- Accurately assigned target values
- Unrivalled shelf life and stability

aQusera 24•7 live online

Inter-laboratory Data Management

- Online access anytime, anywhere
- Unique dashboard displaying poor QC tests from the previous 7 days
 - Peer group data updated every 24 hours
 - Fully interactive Levey-Jennings and Histogram charts
- Comprehensive audit trail report recording all actions within the system
- Connects direct to your instrument/LIS eliminating manual data entry

Available controls

Chemistry • Immunoassay • Immunology • Lipids • Cardiac • Urine • Urinalysis • Maternal Screening
Tumour Markers • Diabetes • Blood Gas • Coagulation • Therapeutic Drugs • Research

RANDOX

Randox Laboratories Limited, 55 Diamond Road, Crumlin, County Antrim, BT29 4QY
T +44 (0) 28 9442 2413 F +44 (0) 28 9445 2912 E marketing@randox.com I www.randox.com