

Products and Applications

2012



Kits and Reagents for Molecular Diagnostics



Mobile Diagnostics



Instruments

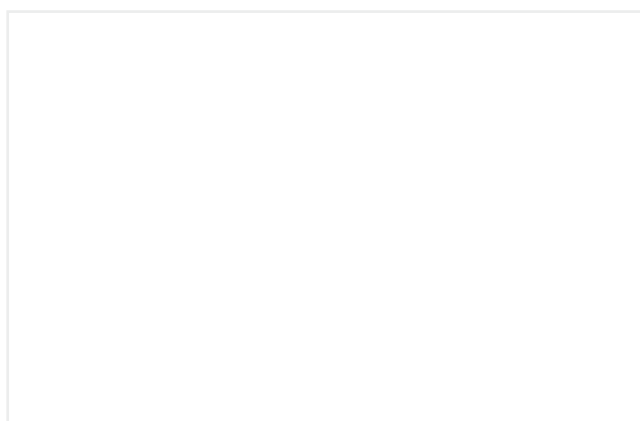


Consumables/Accessories

Products and Applications

2012

Your distributor:



An online version is available at
www.bio.analytik-jena.com

Analytik Jena – Growing intuitively

With a finely tuned intuition for markets, customer needs, situations, and opportunities, Analytik Jena has developed since 1990 into an internationally leading provider of analytical, bioanalytical, and optical technologies. The Company's success relies on a sustainable strategy of taking full advantage of the innovative energy of a traditional location while recognizing the growth potential of international markets.

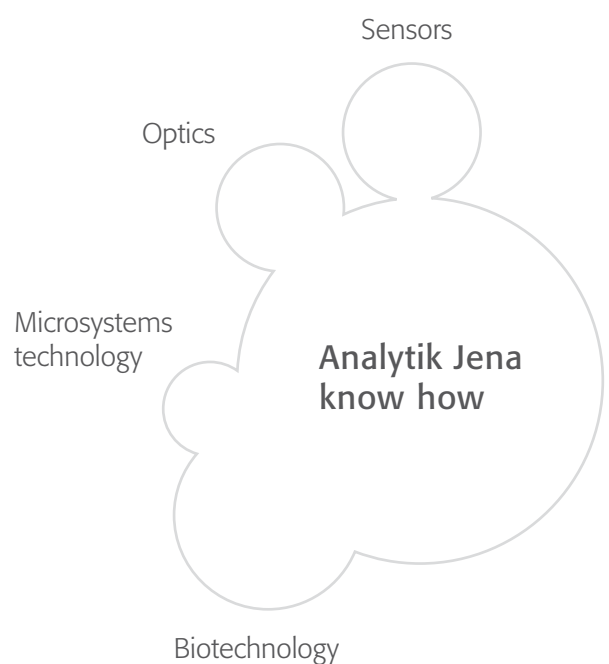
A consistent corporate strategy with a balanced business model

Analytik Jena's lasting success springs from the triad of the Analytical Instrumentation, Life Science and Optics business units. Analytik Jena has a broadly diversified portfolio which extends from traditional analysis technology to bioanalytical measuring systems and high-end optical consumer products. Along with comprehensive laboratory software solutions, the Company's broad product range consists of elaborate service programs and device-specific consumables for laboratories. Analytik Jena's high quality standards ensure precise analysis with an emphasis on efficiency and durability. This motto underscores Analytik Jena's ambition to demonstrate its technological leadership in a dynamically growing and constantly changing market.

Moving upward in a growth market by integrating knowledge

By pressing ahead with the expansion of the Life Science business unit since 2005, Analytik Jena has been able to establish itself as a recognized system provider in this growth market. Innovations from Thuringia make rapid DNA/RNA purification just as possible as the detection of disease pathogens or biological hazardous materials. In the process, the still-young business unit is benefiting from Analytik Jena's extensive knowledge of traditional analysis techniques. The Company's skill in optics, sensors, and microsystems technology is being combined with its expertise in biotechnology, and the resulting synergies are being exploited productively.

Analytik Jena's knowledge edge in the area of Life Science products has been reinforced in recent years by the targeted integration of specialized companies, such as AJ Roboscreen, AJ Cybertron and AJ Innuscreen. In February 2009, the Company acquired a majority stake in the exchange-listed CyBio AG and assumed control of Biometra GmbH in May. Both strategic measures underscore the corporate philosophy that has been observed repeatedly in the past 20 years: CyBio and Biometra do expand the product range and sales network in the Life Science business unit sustainably.



High-end analysis systems for the qualitative and quantitative analysis of liquids, solids, and gases in environmental, foodstuffs, pharmaceutical, medical, and agricultural analysis.

ANALYTICAL INSTRUMENTATION

LIFE SCIENCE

OPTICS

A system provider for bioanalysis, from DNA purification through robotics, PCR products, and detection to complex kits for molecular diagnostics in the areas of life sciences and biotechnology.

High-performance optics for the consumer area under the DOCTER® brand – a 150-year tradition linked to innovative optoelectronic components for challenging hunting, sports, and professional applications.

Life Science unlimited | Combined know how

The business unit Life Science demonstrates the biotechnological competence of Analytik Jena. It provides total automated as well as individual solutions for the molecular diagnostics. The variety of the product portfolio is made possible due to synergies between Analytik Jena and its subsidiaries AJ Innuscreen, AJ Roboscreen, AJ Cybertron, CyBio and Biometra. The core competencies of each subsidiary are pictured below:

Analytik Jena AG | Life Science

AJ Innuscreen GmbH

Kits for nucleic acid extraction, enzymes, reagents and additive

AJ Roboscreen GmbH

Protein diagnostics

AJ Cybertron GmbH

Lab automation

CyBio AG

Liquid handling, customized solutions for lab automation

Biometra GmbH

PCR thermal cycler, electrophoresis, blotting, gel imaging, hybridisation

“Reliable high quality products, excellent customer service and rapid technical support are Biometra’s hallmarks.”

Alexander Berka, Manager Life Science



Biometra | Reasonable supplement of the Group’s portfolio

In February 2009, due to the acquisition of the Biometra GmbH, Analytik Jena expanded the existing product portfolio significantly. A combined sales network in Germany, Austria and Switzerland opens new sales potentials and provides new opportunities.

Biometra develops, manufactures and sells innovative products for customers working in the areas of molecular biology and biochemistry. Reliable

Biometra

An Analytik Jena Company

high quality products, excellent customer service and rapid technical support are Biometra’s hallmarks.

The company started 1985 in Göttingen with miniaturized electrophoresis instruments. The core technology of Peltier-driven high precision heating and cooling of smallest sample volumes generate 1989 the unique triple thermal cycler. Since that point Biometra thermal cycler can be found in every lab all over the world.

Biometra completes the product range of Analytik Jena’s established and reliable thermal cycler by adding electrophoresis and gel documentation devices, thermal shaker and mixer and a lot more high quality products and consumables.

Due to the purchase of the real-time PCR license year 2010, Biometra and Analytik Jena are now able to serve new markets together and develop business opportunities.

Life Science exclusive

Join our customer network **Life Science exclusive**.

Take the opportunity and receive exclusive customer benefits of **Life Science exclusive**.

Why should you register?

Your access to regular *exclusive* offers

- ✓ Price advantages through *exclusive* promotions
- ✓ *Exclusive* news on the latest products, events of the Company
- ✓ *Exclusive* access to workshops and seminars
and much more...

Sign up today at www.bio.analytik-jena.com and receive *exclusive* offers.
These offers are accessible only to registered members.

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Laboratory Notebook

Order your own laboratory notebook in Analytik Jena | Life Science Design.

Whether you are scientist or student, laboratory notebook is an essential part of each research project. With the laboratory notebook of Analytik Jena you are perfectly able to document your laboratory research and daily work results.

- High-quality Analytik Jena | Life Science design
- Table of content for your personal structure
- Including introduction and conversion table
- Size: 120 pages in A4 format (squared paper)

Order information

Order number	Quantity
844-MA205-2	1 piece



InnuPure® C96

- Fully automated nucleic acid extraction based on proven magnetic particle separation
- Preparation of up to 96 samples in parallel
- Reagent plastic ware filled up automatically with all necessary solutions
- Tight desktop device for any lab bench
- Ready-to-use purification kits for easy handling and for the extraction of high quality nucleic acids
- Highly flexible system for a wide variety of starting materials and volumes

More information on page 196

blackPREP Powder DNA / RNA Kit

- Novel and unique: extraction of nucleic acids from powders (e.g. tea, backing and washing powder, flour, soil samples, dust, powdered sugar ...)
- Specific elimination of inhibitors
- Extraction of bacterial and viral nucleic acids
- Ideal to analyze unknown samples
- Positive tested for milk

More information on page 49



ePaTOX II

- Fast and sensitive detection of toxins and pathogens on the basis of chips
- Plug & play operation by using one way chipsticks
- User-friendly handling and result analysis with alarming function
- Easy preparation of samples
- Short measuring times (approx. 20 min for toxins/proteins; approx. 10 min for DNA/RNA)

More information on page 172

innuPREP MIDI Direct Kits

- Optimized "MIDI columns" for easy processing of higher amounts of starting material
- Up to 60 % increased yield of DNA / RNA
- „MIDI preparation" for genomic and plasmid DNA, as well as total RNA
- Products for different starting materials available

Starting at Page 34



qTOWER 2.0 / 2.2

- Quantitative real-time PCR in 96 well SBS format (0.2 ml plastics)
- Optimized to standard sample consumption from 10 till 60 μ l
- Available with or without gradient function
- Patented, fibre optical system with 3 independent LED's
- Individual configuration with up to 6 different measuring channels and choice out of 10 Color or FRET modules

More information on page 236





Kits and Reagents for Molecular Diagnostics

1 Selection charts/Overview starting material	20
2 Manual nucleic acid isolation/Enrichment	28
3 Nucleic acid extraction using a homogenizer	75
4 Automated nucleic acid extraction	88
5 PCR enzymes and reagents	120
6 External extraction control	133

Molecular Diagnostics

7 Kits for molecular diagnostics	135
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Mobile Diagnostics

1 MobiLab – Your Lab to go	158
2 Kits for Mobilab	164
3 ePaTOX II	172



Instruments

1 Mixing and homogenization	180
2 Automated nucleic acid isolation	190
3 Spectrophotometer	200
4 Liquid handling	214
5 Real-time PCR thermal cycler	230
6 <i>rapid</i> PCR thermal cycler	242
7 Standard PCR thermal cycler	252
8 Biomolecular interaction analysis	256



Consumables/Accessories

1 Selection charts/Overview starting material	266
2 Microplates, tubes, strips and foils	268
3 Consumables for KingFisher® systems	273
4 Pipetting tips	274
5 Adapter and blocks for FasTrans and GeneTheatre	277



LIMS

1 LABbase® – The LIMS Standard	282
2 readyLIMS® – A compact solution for small partners	286
3 ENMO®hydro – Automated water quality monitoring	288
4 AJ Blomesystem in the field of Life Science	290



Service

1 Order form	294
2 Information	300
3 Numerical index	302
4 A–Z index	306