

Complete Solutions for *BIO*-Quantification

Product Overview



Profile

AJ Roboscreen is a German biotech company that was founded in 2000 with its focus on development, manufacture and marketing of products and services based on a new industrial standard for quantitative diagnosis of nucleic acids on the basis of a company owned, patented technology platform.

We offer a product portfolio of more than 350 high quality consumables in the fields of nucleic acid purification and real-time detection as well as specific protein detection for several diagnostic requirements.

Furthermore the company is known as competent service partner in the field of university and the pharmaceutical research with more than 15 years experience in quantification of nucleic acids and functional proteomic.

AJ Roboscreen is certified according to DIN EN ISO 9001: 2000 and DIN EN ISO 13485 : 2003 for the development, manufacture and distribution of in-vitro diagnostics, fine chemicals and consumables and part of the business unit "bio solutions" of the Analytik Jena Group.

Products

Kits for Molecular Diagnostics

- TripleHyb® In vitro diagnostic kits (approval phase)
- RoboGene® tests and reagents for real-time PCR/RT-PCR in virology, microbiology, and tumor research & diagnostics
- InnuPREP/INSTANT kits for isolation of genomic DNA, total RNA, and microbial nucleic acids from blood, plants, food, stool & forensic samples

Kits for Protein Analysis

- ELISAs and immunohistochemical kits for detection of Transmissible Spongiform Encephalopathy (TSE) diseases

Fine Chemicals

- Robozyme® recombinant human and animal proteins
- Monoclonal & polyclonal antibodies for BSE, CJD, CWD and Scrapie research, inflammation and pain research, autoimmunity diagnostics, and diagnostics for Alzheimer and Parkinson detection
- Molecular biological reagents (buffers, enzymes and other additives)

Plastic Consumables Supplies

- RoboStrip® polycarbonate 8-well tubes/strips for PCR/RT-PCR/iPCR for use with the majority of conventional format 96-well cyclers and real-time instruments
- Control tubes for monitoring extraction of sample, inhibition in the sample, accuracy and precision provided as "Intelligent Tubes"
- Streptavidine and antibody coated microtiter plates and tubes

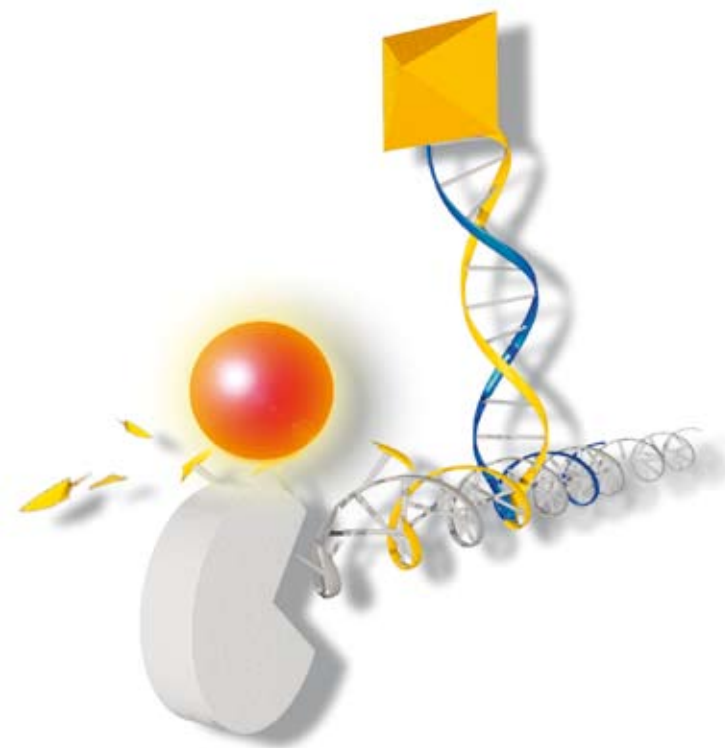
Customized Services

- Contract high-throughput gene expression quantification
- Assay development (TripleHyb® or TaqMan®)
- Standard (DNA/RNA) development and manufacture
- Molecular biological training



Know-how transfer and licencing

- Intelligent Tube Technology. Reaction vessels coated with stabilized nucleic acids
- TripleHyb® technology. A new fluorescence PCR detection format which combines features of TaqMan, molecular beacons and hybridization probes format for real-time PCR and exploits a triple DNA detection complex, highly suited for target quantification and genetic polymorphism analysis
- INSTANT technology. DNA/RNA extraction reagents supplied with stabilized carrier nucleic acids and internal controls



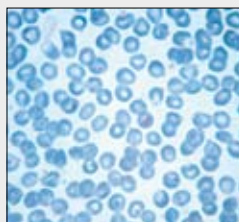
Applications

Virology / microbiology



RoboGene® kits and reagents for virus research (e.g. Bird Flu (BF) H5N1, HBV, HCV, HCMV, EBV, SARS), and bacteria quantification and qualitative detection (e.g. *Mycobacterium tuberculosis*)

Tumor diagnostics



RoboGene® quantitative real-time PCR kits for detection of minimal residual disease in hematology/oncology (e.g. M-BCR, t(9;22); PML-RARA; t(15;17); Follicular Lymphoma; MBR; t(14;18); Tyrosinase; HER2-NEU (c-ERBB2)); Multidrug resistance; Housekeeping genes

Pharmaceutical/University research



Tumor research on gene expression level (apoptosis, inhibitors of apoptosis, cell cycle), Neuronal receptor research (ATP receptors, NMDA receptors), Genomic DNA markers (Mitochondrial marker 16S rRNA)

Robozyme® recombinant human, bovine, sheep, and deer prion proteins, Monoclonal & polyclonal antibodies

Veterinary diagnostics



RoboGene® Bird Flu (BF) H5N1 test equipped with optimized RNA purification kit and protocols for different clinical specimen (tissues, plasma, swabs, stool), Rockeby Avian Influenza Virus Antigen test kit (home test)

Food



BetaPrion® BSE EIA test kit, version 2.0, approved in the EU and Germany; most rapid BSE ELISA test in the market, assay time: 1h 40 min



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LABSERVIS LTD
- **Egypt**
Delta Trading & Development
- **Bahrain, Kuwait, Jordan, Lebanon, Oman, Palestine**
Envirolife Consulting (Dubai)
- **BeNeLux**
Biognost b.v.b.a.
- **Brazil**
IngenX Laboratories Ltd.
- **Bulgaria**
Biosystems Ltd.
- **Chile**
Bioscan S.A.
- **Czech Republic**
BioVendor - Laboratorní medicína a.s.
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- **Hungary**
Pannon Diagnostika Kft.
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- **Italy**
Medi Diagnostice s.r.l.
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• For further information visit our website: www.aj-roboscreen.com

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