

# **2017 Switzerland Automated Microbiology Market: Molecular Diagnostics, Identification, Susceptibility, Blood Culture, Urine Screening, Immunodiagnostics-- Specimen, Test, and Sales Forecasts, Competitive Strategies, Opportunities**

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## **Abstracts**

This new report from VPGMarketResearch.com examines current and emerging assays; forecasts volume and sales for molecular diagnostic, microbial identification, antibiotic susceptibility, blood culture, urine screening and immunodiagnostic procedures, as well as over 100 infectious disease tests by assay and application; profiles leading players and potential market entrants; and suggests alternative market penetration strategies for suppliers.

## **Rationale**

The level of automation in the microbiology laboratory has been lagging behind that of other major clinical laboratory segments, such as chemistry and hematology. The slow acceptance of the technology is in part due to the complexity of developing automation suitable for microbiology tests.

The introduction of automated microbiology instrumentation has been delayed by a number of intrinsic and technical problems. The diffusion of automated microbiology systems, once the technology was developed, has not matched that of other automated laboratory technologies. The acquisition of automation in microbiology has been slowed by forces less easily identifiable than the effects of various reimbursement plans. Some laboratorians still believe that current instrumentation is not the ultimate technology and expect better automation on the horizon.

The driving force behind the need for rapid reporting of microbiological test results is the clinical relevance in a time of financial austerity, a time when cost and health care effectiveness to the patient and diagnostician looms ever larger, and where after-the-fact results at high expense are coming under severe scrutiny worldwide.

This report will assist diagnostics industry executives, as well as companies planning to diversify into the dynamic and rapidly expanding microbiology market, in evaluating emerging opportunities and developing effective business strategies.

## **Market Segmentation Analysis**

Volume and sales forecasts for over 100 infectious disease assays by individual test.

Test volume estimates by method (molecular, serology/immunodiagnostics, culture/microscopy).

## **Specimen Types**

Urine

Sterile Fluids: Blood, Serum, CSF

Throat Swabs, Respiratory Secretions

Genital Secretions

Stool

Abscess/Wound

Sputum

Saliva

## **Applications**

Microbial Identification

Antibiotic Susceptibility

Urine Screening

Blood Cultures

## **Review of Major Automated Systems**

Review of major automated molecular diagnostic, multipurpose, specialized, microbial identification, antibiotic susceptibility, blood culture, urine screening, and immunodiagnostic analyzers.

## **Infectious Diseases Analyzed in the Report**

AIDS/HIV, Adenovirus, Aeromonads, Bartonella, Blastocystis Hominis, Campylobacter, Candida, Chancroid, Chlamydia, Clostridium, Coronavirus, Coxsackievirus, Cryptosporidium, Cyclospora, CMV, E. Coli, Echovirus, Encephalitis, Enterovirus, EBV, Giardia, Gonorrhea, Granuloma Inguinale, Hantavirus, H. Pylori, Hepatitis, Herpes Influenza, Legionella, Lyme, Lymphogranuloma, Malaria, Measles, Meningitis, Microsporidium, Mononucleosis, Mumps, Mycoplasma, HPV, Parvovirus, Pneumonia, Polyomaviruses, Pseudomonas, Rabies, RSV, Rhinovirus, Rotavirus, Rubella, Salmonella, Septicemia, Shigella, Staphylococci, Streptococci, Syphilis, Toxoplasmosis, Trichomonas, TB, Vibrio, West Nile, Yersinia.

## **Technology Review**

Assessment of molecular diagnostic, monoclonal antibody, immunoassay, and other technologies and their potential applications for the microbiology market.

Global listings of companies developing or marketing microbiology products by individual test.

## **Competitive Assessments**

Strategic assessments of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, collaborative arrangements and new products in R&D.

### **Opportunities and Strategic Recommendations**

Emerging opportunities for new analyzers, reagents kits, IT and other products with significant market appeal during the next five years.

Design criteria for decentralized testing products.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Contains 500 pages and 54 tables

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Abl/abl bcr

AIB1

BCL2

BRCA1

CD44

C-fos

C-myb

C-myc

CYP 17

ErbB

HPC1

Nmyc

P40

P51

P53

PIK3CA

PTI1

Ras

Reg

Sis

Src

**28. POLYPEPTIDE GROWTH FACTORS**

Basic Fibroblast Growth Factor

Beta TGF

Cachectin (TNT)

Calmodulin

ECFR

Nerve Growth Factor (NGF)

Epidermal Growth Factor (EGF)

Ornithine Decarboxylase

Transferrin

Transforming Growth Factor Alpha

**29. ECTOPIC HORMONES****30. COLONY STIMULATING FACTORS****31. LYMPHOKINES**

Alpha Interferon  
B Cell Growth Factors  
B Cell Growth Factor (BCGF)  
Gamma Interferon  
Interleukin 1 (IL1)  
Macrophage Activating Factor  
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Actin  
Alpha Actin  
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7B2  
B72.3  
Bax  
BCD F9  
BLCA 4  
Blood Group Antigens A, B, H  
CA  
CA 72 4/TAG 72  
CA  
CA 242  
CA 549  
CAM  
CAR 3  
Cathepsin D  
Chromogranin A and B  
Cluster 1 Antigen  
Cluster 5/5A Antigen  
CTA  
CU18  
DR 70  
DU AN2  
Endometrial Bleeding Associated Factor  
Endostatin  
Epithelial Membrane Antigen  
Feulgen Hydrolysis  
Fibronectin  
FSH

(1 >3) Lfucosyltransferase  
Gastrin Releasing Peptide (GRP)  
GDCFP 15  
Glucagon  
Glycoamines  
H23  
Her 2  
Human Carcinoma Antigen  
HPA  
HSP27  
Intermediate Filaments  
Cytokeratins/CK18/Cyfra 21 1  
Desmin  
Glofibrillary Acid Protein  
Neurofilaments  
Vimentin  
KA  
Kinases  
KP16D3  
LAI  
Leukocyte Common Antigen  
Lewis Antigens  
Lysophosphatidic Acid (LPA)  
Ma 695/Ma  
MABDF3  
MAG  
ME1  
Minactivin  
MN/CA9  
MSA  
Mucin Cancer Antigen (MCA)  
Multiple Tumor Suppressor  
Myosin  
NEA 130  
NMP22  
OA 519  
Opioid Peptides  
P glycoprotein  
Pancreatic Oncofetal Antigen (POA)



Placental Lactogen  
PR92  
Proliferative Index, Ki 67  
Px  
RB Inactivation/Deletion  
Ret  
SCCL  
Selectin  
Sialic Acid  
Sialyl SSEA 1/SLX  
SN10  
Somatostatin  
TA 90  
TAB A  
Tachykinin  
TAG  
TPS  
Troponin  
Tubulin  
VCAM  
VEGF  
Villan

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Beckman Coulter/Danaher  
Becton Dickinson  
Biomedical Diagnostics  
bioMerieux  
Bio-Rad  
CellSearch  
Cepheid  
Correlogic Systems/Vermillion  
Decode Genetics  
Diadexus  
Diagnocure  
Diasorin  
Eiken Chemical  
Elitech Group  
Enterix  
Enzo Biochem  
Epigenomics  
Exact Sciences  
Fujirebio  
Guided Therapeutics  
Hologic/Genrobe  
Kreatech/Leica  
Kyowa Medex  
Mackay Life Sciences  
Myriad Genetics

OncoLab  
Ortho Clinical Diagnostics  
Panacea Pharmaceuticals  
Polartechinics  
Polymedco  
PreMD  
Qiagen  
Quest Diagnostics  
Radient Pharmaceuticals  
Roche  
Scienion  
Sequenom  
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