

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, Gonorrhoea, 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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 23. TDT

24. THYROGLOBULIN**25. TISSUE POLYPEPTIDE ANTIGEN (TPA)****26. BIOCHEMICAL CANCER DIAGNOSTICS****27. ONCOGENES**

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
32. IMMUNOHISTOCHEMICAL STAINS
33. EMERGING CANCER DIAGNOSTICS
NAcetylglucosamine
Actin
Alpha Actin
Antineuronal Antibodies
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
TABA
Tachykinin
TAG
TPS
Troponin
Tubulin
VCAM
VEGF
Villen

8. INSTRUMENTATION REVIEW AND MARKET NEEDS

9. CURRENT AND EMERGING TECHNOLOGIES

1. MONOCLONAL AND POLYCLONAL ANTIBODIES
2. IMMUNOASSAYS
3. MOLECULAR DIAGNOSTICS
4. CHROMOSOME ANALYSIS
 - a. Chronic Myelogenous Leukemia (CML)
 - b. Acute Myeloid Leukemia (AML)
 - c. Acute Lymphoblastic Leukemia (ALL)
 - d. Malignant Lymphomas Lymphoid Malignancies
 - e. Chronic Lymphocytic Leukemia (CLL)
 - f. Solid Cancers
 - g. Chromosomal Translocation and Oncogenes
5. ARTIFICIAL INTELLIGENCE

- 6. FLOW CYTOMETRY
- 7. TW DIMENSIONAL GEL ELECTROPHORESIS (2 DGE)
- 8. BIOSENSORS
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Abbott
AdnaGen/Alere
Agilent Technologies
Applied Gene Technologies
Arca Biopharma
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
Polartechnics
Polymedco
PreMD
Qiagen
Quest Diagnostics
Radiant Pharmaceuticals
Roche
Scienion
Sequenom
Siemens Healthcare
Takara Bio
Targeted Diagnostics & Therapeutics
Tosoh
Thermo Fisher/Affimetrix
Veridex
Wako Pure Chemicals
Wallac/PE
Zila

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CA 125 Test Volume and Diagnostics Sales Forecast
Calcitonin Test Volume and Diagnostics Sales Forecast
Cathepsin Test Volume and Diagnostics Sales Forecast
CEA Test Volume and Diagnostics Sales Forecast
Chromogranin Test Volume and Diagnostics Sales Forecast
Colon specific Antigen Test Volume and Diagnostics Sales Forecast
Cytokeratins Test Volume and Diagnostics Sales Forecast
Estrogen Receptor Test Volume and Diagnostics Sales Forecast
Ferritin Test Volume and Diagnostics Sales Forecast
Gastrin Test Volume and Diagnostics Sales Forecast
HCG Test Volume and Diagnostics Sales Forecast
Insulin Test Volume and Diagnostics Sales Forecast
Interferons Test Volume and Diagnostics Sales
Interleukins Test Volume and Diagnostics Sales Forecast
Lymphocyte Subtyping Test Volume and Diagnostics Sales Forecast
NSE Test Volume and Diagnostics Sales Forecast
Nucleolar Test Volume and Diagnostics Sales Forecast
Occult Blood Test Volume and Diagnostics Sales Forecast
Oncogenes Test Volume and Diagnostics Sales Forecast
Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast
PAP Smear Test Volume and Diagnostics Sales Forecast
Parathyroid Hormone Test Volume and Diagnostics Sales Forecast
Progesterone Receptor Test Volume and Diagnostics Sales Forecast
PAP Test Volume and Diagnostics Sales Forecast
PSA Test Volume and Diagnostics Sales Forecast
S 100 Protein Test Volume and Diagnostics Sales Forecast
Serotonin Test Volume and Diagnostics Sales Forecast

Sialic Acid Test Volume and Diagnostics Sales Forecast
Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales Forecast
TDT Test Volume and Diagnostics Sales Forecast
Thymidine Kinase Test Volume and Diagnostics Sales Forecast
Thyroglobulin Test Volume and Diagnostics Sales Forecast
TPA Test Volume and Diagnostics Sales Forecast
Cancer Diagnostic Classification
Major Companies Developing or Marketing ACTH Tests
Major Companies Developing or Marketing AFP Tests
Major Companies Developing or Marketing Beta 2 Microglobulin Tests
Major Companies Developing or Marketing CA 15 3/27.29 Tests
Major Companies Developing or Marketing CA 199 Tests
Major Companies Developing or Marketing CA 125 Tests
Major Companies Developing or Marketing Calcitonin Tests
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