

# 2015-2019 New Frontiers in the Japanese Automated Microbiology Market: Business Challenges, Emerging Technologies, Competitive Landscape

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## **Abstracts**

Complete report \$8,850. DataPack (test volumes, sales forecasts, supplier shares) \$5,700.

2015-2019 New Frontiers in the Japanese Automated Microbiology Market: Business Challenges, Emerging Technologies, Competitive Land scape is VPGMarketResearch's new analysis of the major business opportunities emerging in the automated microbiology market during the next five years. The report examines key trends in the Japanese automated microbiology market; reviews current and emerging assays; analyzes potential applications of innovative diagnostic technologies; 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, application, market segment, profiles leading players and potential market entrants; and suggests alternative business expansion 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 comprehensive report will assist diagnostics industry executives, as well as companies planning to diversify into the dynamic and rapidly expand ing microbiology market, in evaluating emerging opportunities and developing effective business strategies.

Supplier Shares, Sales and Volume Forecasts

Sales and market shares of major suppliers of microbiology products, by individual test.

Five-year test volume and sales forecasts for over 100 microbiology assays.

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

## Japan Market Overview

Review of the market dynamics, trends, structure, size, growth and major suppliers.

Estimated universe of laboratories performing microbiology testing.

Specimen, test volume and sales forecasts.

Business 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.	
Specin	nen 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.

The report features analyzers manufactured by Abbott, Alifax, Anagen, BD, Beckman Coulter/Danaher, Biochem, Biolog, bioMerieux, Bio-Rad, Biotrol, Cepheid, Curetis, GenMark, Hologic/Gen-Probe, HTG, Iris, J&J, Labsystems, Life Technologies, MiDI, Olympus, Qiagen, Roche, Siemens, Sy-Lab, Sysmex, Tecan, Thermo Fisher, Tosoh.

## Infectious Diseases Analyzed in the Report

AIDS/HIV, Adenovirus, Aeromonads, Bartonella, Blastocystis Hominis, Campylobacter, Cand ida, 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 disease, 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 and others.

# **Technology Assessment**

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 Strategies**

Strategic assessments of major suppliers and start-up firms developing innovative technologies and products, including their sales, product portfolios, marketing tactics, collaborative arrangements, and new products in R&D.



The companies analyzed in the report include: Abbott Affymetrix **Agilent Technologies** Applied Gene Technologies Arca Bioppharma Beckman Coulter/Danaher **Becton Dickinson Biokit** bioMerieux Bio-Rad **Biotest** Cepheid CellMark Forensics/LabCorp **Decode Genetics** Diadexus Diamedix DiaSorin Eiken Chemical



Eli	tech Group
En	nzo Biochem
Ex	act Sciences
Fu	ijirebio
Gr	ifols
Нс	ologic/Gen-Probe
IIIu	umina
ID	Biomedical/GSK
Kr	eatech/Leica
Li-	Cor Biosciences
Lo	nza
Mo	onogram Biosciences
My	riad Genetics
Or	tho-Clinical Diagnostics
Pe	erkin Elmer/Caliper
Pr	oteome Sciences
Qi	agen
Ro	oche
Sc	cienion



Sequenom
SeraCare
Siemens
Sierra Molecular
Shimadzu
Takara Bio
Tecan
Thermo Fisher
Wallac/PE
Wako

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Affymetrix

**Agilent Technologies** 

Applied Gene Technologies

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Beckman Coulter/Danaher

**Becton Dickinson** 

**Biokit** 

bioMerieux

Bio-Rad

**Biotest** 

Caliper

Cepheid

Decode

**Diadexus** 

Diamedix

DiaSorin

Eiken Chemical

Enzo Biochem

**Exact Sciences** 

Fujirebio/Innogenetics

Hologic/Gen-Probe

Illumina

ID Biomedical/GSK

Kreatech

Li-Cor Biosciences

Lonza

Monogram Biosciences

Myriad Genetics

Nanogen/Elitech

Novartis Diagnostics/Grifols

Orchid CellMark

Ortho-Clinical Diagnostics



**Proteome Sciences** 

Qiagen

Roche

Scienion

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