

2017 Asia-Pacific Automated Microbiology Market: Volume and Sales Forecasts for 100 Molecular Diagnostic Tests, Supplier Shares, Competitive Strategies, Instrumentation, Technologies

<https://marketpublishers.com/r/220468D5E82EN.html>

Date: February 2017

Pages: 550

Price: US\$ 15,750.00 (Single User License)

ID: 220468D5E82EN

Abstracts

This new 17-country report from VPGMarketResearch.com is available by country, market segment, section, or individual test.

The survey is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities in the automated microbiology market during the next five years. The report examines key trends; reviews current and emerging assays; analyzes potential applications of innovative diagnostic technologies; forecasts volume and sales for 100 molecular diagnostic, microbial identification, antibiotic susceptibility, blood culture, urine screening and immunodiagnostic procedures; 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 17-country survey 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.

Country Analyses

Australia, Bangladesh, China, Hong Kong, India, Indonesia, Japan, Malaysia, Myanmar, New Zealand, Pakistan, Philippines, Singapore, South Korea, Taiwan, Thailand, Vietnam

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 marketed 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 and other suppliers.

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 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.

Technology Review

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

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 over 550 pages and 191 tables

Contents

I. INTRODUCTION

II. AUTOMATED MICROBIOLOGY MARKET BUSINESS ENVIRONMENT

III. NEW PRODUCT DEVELOPMENT OPPORTUNITIES

IV. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

V. ALTERNATIVE MARKET PENETRATION STRATEGIES

VI. POTENTIAL MARKET ENTRY BARRIERS AND RISKS

VII. MARKET AND TECHNOLOGY OVERVIEW

A. INTRODUCTION

1. MAJOR FACTORS AFFECTING MARKET PENETRATION FOR MICROBIOLOGY INSTRUMENTATION
2. TRADITIONAL PRACTICES
3. TECHNOLOGICAL CHALLENGES
4. AUTOMATION: IMPACT ON THE MICROBIOLOGY LABORATORY AND THE PATIENT

B. Major Specimen Types

1. URINE
2. STERILE FLUIDS: BLOOD, SERUM, AND CSF
3. THROAT SWABS AND RESPIRATORY SECRETIONS
4. GENITAL SECRETIONS
5. STOOL
6. ABSCESS/WOUND
7. SPUTUM
8. SALIVA

C. Test Applications

1. MICROBIAL IDENTIFICATION
2. ANTIBIOTIC SUSCEPTIBILITY
3. URINE SCREENING
 - a. Photometry
 - b. Bioluminescence
 - c. Colorimetric Filtration

- d. Enzymatic Detection
- e. Optical Detection
- 4. BLOOD CULTURES
- D. Major Automated and Semi-automated Microbiology Systems
 - 1. MULTIPLE PURPOSE MICROBIOLOGY SYSTEMS
 - 2. SPECIALIZED MICROBIOLOGY SYSTEMS
 - 3. MOLECULAR DIAGNOSTIC SYSTEMS
 - 4. IMMUNODIAGNOSTIC SYSTEMS
- E. Emerging Diagnostic Technologies
 - 1. MOLECULAR DIAGNOSTICS (AMPLIFICATION METHODS, SEQUENCING, MICROARRAYS/BIOCHIPS)
 - a. DNA Sequencing
 - b. DNA and RNA Probe Technologies
 - c. Detection Technologies
 - d. Biochips: Genosensors, Microarrays, Labs-on-the-Chip
 - 2. MONOCLONAL ANTIBODIES
 - 3. IMMUNOASSAYS
 - 4. DIFFERENTIAL LIGHT SCATTERING
 - 5. INFORMATION TECHNOLOGY
 - 6. ARTIFICIAL INTELLIGENCE
 - 7. LIPOSOMES
 - 8. FLOW CYTOMETRY
 - 9. CHROMATOGRAPHY
 - 10. DIAGNOSTIC IMAGING
 - 11. GEL MICRODROPLETS
 - 12. OTHER

VIII. COUNTRY ANALYSES: SALES AND VOLUME FORECASTS FOR 100 MOLECULAR DIAGNOSTIC, MICROBIAL IDENTIFICATION, ANTIBIOTIC SUSCEPTIBILITY, BLOOD CULTURE, URINE SCREENING, AND IMMUNODIAGNOSTIC TESTS, SUPPLIER SHARES

Australia
Bangladesh
China
Hong Kong
India
Indonesia
Japan

Malaysia
Myanmar
New Zealand
Pakistan
Philippines
Singapore
South Korea
Taiwan
Thailand
Vietnam

IX. COMPETITIVE ASSESSMENTS

Abbott
Affymetrix/Thermo Fisher
Agilent Technologies
Applied Gene Technologies
Arca Biopharma
Beckman Coulter/Danaher
Becton Dickinson
Biokit
bioMérieux
Bio-Rad
Biotest
CellMark Forensics/LabCorp
Cepheid
Decode
Diadexus
Diamedix
DiaSorin
Eiken Chemical
Elitech Group
Enzo Biochem
Exact Sciences
Fujirebio
Grifols
Hologic/Gen-Probe
ID Biomedical/GSK
Illumina

Kreatech/Leica
Li-Cor Biosciences
Lonza
Monogram Biosciences
Myriad Genetics
Ortho-Clinical Diagnostics
Perkin Elmer/Caliper
Proteome Sciences
Qiagen
Roche
Scienion
Sequenom
SeraCare
Shimadzu
Siemens
Sierra Molecular
Takara Bio
Tecan
Wallac/PE
Wako

List Of Tables

LIST OF TABLES

Australia Microbiology Specimen Volume Forecast by Type
Australia Microbiology Test Volume Forecasts by Application
Australia Microbiology Consumables Market Forecast by Application
Australia Infectious Disease Test Volume Forecast by Assay
Australia Infectious Disease Diagnostics Market Forecast by Test
Australia Infectious Disease Blood Screening NAT Volume Forecast by Assay
Australia Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Bangladesh Microbiology Specimen Volume Forecast by Type
Bangladesh Microbiology Test Volume Forecasts by Application
Bangladesh Microbiology Consumables Market Forecast by Application
Bangladesh Infectious Disease Test Volume Forecast by Assay
Bangladesh Infectious Disease Diagnostics Market Forecast by Test
Bangladesh Infectious Disease Blood Screening NAT Volume Forecast by Assay
Bangladesh Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
China Microbiology Specimen Volume Forecast by Type
China Microbiology Test Volume Forecasts by Application
China Microbiology Consumables Market Forecast by Application
China Infectious Disease Test Volume Forecast by Assay
China Infectious Disease Diagnostics Market Forecast by Test
China Infectious Disease Blood Screening NAT Volume Forecast by Assay
China Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Hong Kong Microbiology Specimen Volume Forecast by Type
Hong Kong Microbiology Test Volume Forecasts by Application
Hong Kong Microbiology Consumables Market Forecast by Application
Hong Kong Infectious Disease Test Volume Forecast by Assay
Hong Kong Infectious Disease Diagnostics Market Forecast by Test
Hong Kong Infectious Disease Blood Screening NAT Volume Forecast by Assay
Hong Kong Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
India Microbiology Specimen Volume Forecast by Type
India Microbiology Test Volume Forecasts by Application
India Microbiology Consumables Market Forecast by Application
India Infectious Disease Test Volume Forecast by Assay
India Infectious Disease Diagnostics Market Forecast by Test

India Infectious Disease Blood Screening NAT Volume Forecast by Assay
India Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Indonesia Microbiology Specimen Volume Forecast by Type
Indonesia Microbiology Test Volume Forecasts by Application
Indonesia Microbiology Consumables Market Forecast by Application
Indonesia Infectious Disease Test Volume Forecast by Assay
Indonesia Infectious Disease Diagnostics Market Forecast by Test
Indonesia Infectious Disease Blood Screening NAT Volume Forecast by Assay
Indonesia Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Japan Laboratories Performing Microbiology Tests by Market Segment
Japan Hospital Laboratories Performing Microbiology Tests by Bed Size
Japan Commercial/Private Laboratories Performing Microbiology Tests by Annual Test Volume
Japan All Market Segments Microbiology Specimen Volume
Japan Hospital Laboratories Microbiology Specimen Volume
Japan Commercial/Private Laboratories Microbiology Specimen Volume
Japan Microbiology Test Volume by Market Segment
Japan Microbiology Test Volume by Application
Japan Urine Screening Test Volume by Market Segment
Japan Microbial Identification Test Volume by Market Segment
Japan Blood Culture Test Volume by Market Segment
Japan Antibiotic Susceptibility Test Volume by Market Segment
Japan Microbiology Consumables Market by Application
Japan Microbiology Consumables Market by Market Segment
Japan Microbial Identification Consumables Sales by Market Segment
Japan Blood Culture Consumables Sales by Market Segment
Japan Antibiotic Susceptibility Consumables Sales by Market Segment
Japan Urine Screening Consumables Sales by Market Segment
Japan All Market Segments Infectious Disease Test Volume Forecast by Assay
Japan All Market Segments Infectious Disease Diagnostics Market Forecast by Test
Japan Infectious Disease Blood Screening NAT Volume Forecast by Assay
Japan Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Japan HIV/AIDS Testing Market Diagnostics Sales by Major Supplier
Japan HIV/Hepatitis Blood Screening NAT Market Diagnostics Sales by Major Supplier
Japan Campylobacter Testing Market Diagnostics Sales by Major Supplier
Japan Candida Testing Market Diagnostics Sales by Major Supplier
Japan Chlamydia Testing Market Diagnostics Sales by Major Supplier
Japan CMV Testing Market Diagnostics Sales by Major Supplier
Japan Gonorrhoea Testing Market Diagnostics Sales by Major Supplier

Japan Hepatitis Testing Market Diagnostics Sales by Major Supplier
Japan Hepatitis C Testing Market Diagnostics Sales by Major Supplier
Japan Herpes Testing Market Diagnostics Sales by Major Supplier
Japan Legionella Testing Market Diagnostics Sales Forecast by Major Supplier
Japan Meningitis Testing Market Diagnostics Sales by Major Supplier
Japan Mononucleosis Testing Market Diagnostics Sales by Major Supplier
Japan Mycoplasma Testing Market Diagnostics Sales by Major Supplier
Japan Pneumonia Testing Market Diagnostics Sales by Major Supplier
Japan RSV Testing Market Diagnostics Sales by Major Supplier
Japan Rotavirus Testing Market Diagnostics Sales by Major Supplier
Japan Rubella Testing Market Diagnostics Sales by Major Supplier
Japan Septicemia Testing Market Diagnostics Sales by Major Supplier
Japan Shigella Testing Market Diagnostics Sales by Major Supplier
Japan Streptococci Testing Market Diagnostics Sales by Major Supplier
Japan Syphilis Testing Market Diagnostics Sales by Major Supplier
Japan Toxoplasmosis Testing Market Diagnostics Sales by Major Supplier
Japan Trichomonas Testing Market Diagnostics Sales by Major Supplier
Japan Tuberculosis Testing Market Diagnostics Sales by Major Supplier
Japan Molecular Diagnostics Market Sales and Shares of Major Suppliers
Malaysia Microbiology Specimen Volume Forecast by Type
Malaysia Microbiology Test Volume Forecasts by Application
Malaysia Microbiology Consumables Market Forecast by Application
Malaysia Infectious Disease Test Volume Forecast by Assay
Malaysia Infectious Disease Diagnostics Market Forecast by Test
Malaysia Infectious Disease Blood Screening NAT Volume Forecast by Assay
Malaysia Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Myanmar Microbiology Specimen Volume Forecast by Type
Myanmar Microbiology Test Volume Forecasts by Application
Myanmar Microbiology Consumables Market Forecast by Application
Myanmar Infectious Disease Test Volume Forecast by Assay
Myanmar Infectious Disease Diagnostics Market Forecast by Test
Myanmar Infectious Disease Blood Screening NAT Volume Forecast by Assay
Myanmar Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
New Zealand Microbiology Specimen Volume Forecast by Type
New Zealand Microbiology Test Volume Forecasts by Application
New Zealand Microbiology Consumables Market Forecast by Application
New Zealand Infectious Disease Test Volume Forecast by Assay
New Zealand Infectious Disease Diagnostics Market Forecast by Test
New Zealand Infectious Disease Blood Screening NAT Volume Forecast by Assay

New Zealand Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Pakistan Microbiology Specimen Volume Forecast by Type

Pakistan Microbiology Test Volume Forecasts by Application

Pakistan Microbiology Consumables Market Forecast by Application

Pakistan Infectious Disease Test Volume Forecast by Assay

Pakistan Infectious Disease Diagnostics Market Forecast by Test

Pakistan Infectious Disease Blood Screening NAT Volume Forecast by Assay

Pakistan Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Philippines Microbiology Specimen Volume Forecast by Type

Philippines Microbiology Test Volume Forecasts by Application

Philippines Microbiology Consumables Market Forecast by Application

Philippines Infectious Disease Test Volume Forecast by Assay

Philippines Infectious Disease Diagnostics Market Forecast by Test

Philippines Infectious Disease Blood Screening NAT Volume Forecast by Assay

Philippines Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Singapore Microbiology Test Volume Forecasts by Application

Singapore Microbiology Consumables Market Forecast by Application

Singapore Infectious Disease Test Volume Forecast by Assay

Singapore Infectious Disease Diagnostics Market Forecast by Test

Singapore Infectious Disease Blood Screening NAT Volume Forecast by Assay

Singapore Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

South Korea Microbiology Specimen Volume Forecast by Type

South Korea Microbiology Test Volume Forecasts by Application

South Korea Microbiology Consumables Market Forecast by Application

South Korea Infectious Disease Test Volume Forecast by Assay

South Korea Infectious Disease Diagnostics Market Forecast by Test

South Korea Infectious Disease Blood Screening NAT Volume Forecast by Assay

South Korea Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Taiwan Microbiology Specimen Volume Forecast by Type

Taiwan Microbiology Test Volume Forecasts by Application

Taiwan Microbiology Consumables Market Forecast by Application

Taiwan Infectious Disease Test Volume Forecast by Assay

Taiwan Infectious Disease Diagnostics Market Forecast by Test

Taiwan Infectious Disease Blood Screening NAT Volume Forecast by Assay

Taiwan Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Thailand Microbiology Specimen Volume Forecast by Type

Thailand Microbiology Test Volume Forecasts by Application
Thailand Microbiology Consumables Market Forecast by Application
Thailand Infectious Disease Test Volume Forecast by Assay
Thailand Infectious Disease Diagnostics Market Forecast by Test
Thailand Infectious Disease Blood Screening NAT Volume Forecast by Assay
Thailand Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Vietnam Microbiology Specimen Volume Forecast by Type
Vietnam Microbiology Test Volume Forecasts by Application
Vietnam Microbiology Consumables Market Forecast by Application
Vietnam Infectious Disease Test Volume Forecast by Assay
Vietnam Infectious Disease Diagnostics Market Forecast by Test
Vietnam Infectious Disease Blood Screening NAT Volume Forecast by Assay
Vietnam Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Major Companies Developing or Marketing AIDS Tests
Major Companies Developing or Marketing Adenovirus Tests
Major Companies Developing or Marketing Bartonella Tests
Major Companies Developing or Marketing Campylobacter Tests
Major Companies Developing or Marketing Candida Tests
Major Companies Developing or Marketing Chlamydia Tests
Major Companies Developing or Marketing Clostridium Tests
Major Companies Developing or Marketing Coronavirus Tests
Major Companies Developing or Marketing Cryptosporidium Tests
Major Companies Developing or Marketing CMV Tests
Major Companies Developing or Marketing Echovirus Tests
Major Companies Developing or Marketing Enterovirus Tests
Major Companies Developing or Marketing EBV Tests
Major Companies Developing or Marketing Giardia Tests
Major Companies Developing or Marketing Gonorrhoea Tests
Major Companies Developing or Marketing Hantavirus Tests
Major Companies Developing or Marketing Helicobacter Pylori Tests
Major Companies Developing or Marketing Hepatitis Tests
Major Companies Developing or Marketing Herpes Tests
Major Companies Developing or Marketing Influenza Tests
Major Companies Developing or Marketing Legionella Tests
Major Companies Developing or Marketing Lyme Disease Tests
Major Companies Developing or Marketing Lymphogranuloma Tests
Major Companies Developing or Marketing Malaria Tests
Major Companies Developing or Marketing Measles Tests
Major Companies Developing or Marketing Meningitis Tests

Major Companies Developing or Marketing Microsporidium Tests
Major Companies Developing or Marketing Mononucleosis Tests
Major Companies Developing or Marketing Mumps Tests
Major Companies Developing or Marketing Mycoplasma Tests
Major Companies Developing or Marketing Papilloma Virus Tests
Major Companies Developing or Marketing Parvovirus Tests
Major Companies Developing or Marketing Pneumonia Tests
Major Companies Developing or Marketing RSV Tests
Major Companies Developing or Marketing Rotavirus Tests
Major Companies Developing or Marketing Rubella Tests
Major Companies Developing or Marketing Salmonella Tests
Major Companies Developing or Marketing Septicemia Tests
Major Companies Developing or Marketing Shigella Tests
Major Companies Developing or Marketing Staphylococci Tests
Major Companies Developing or Marketing Streptococci Tests
Major Companies Developing or Marketing Syphilis Tests
Major Companies Developing or Marketing Toxoplasmosis Tests
Major Companies Developing or Marketing Trichomonas Tests
Major Companies Developing or Marketing Tuberculosis Tests
Major Companies Developing or Marketing West Nile Tests
Major Companies Developing or Marketing Yersinia Tests

I would like to order

Product name: 2017 Asia-Pacific Automated Microbiology Market: Volume and Sales Forecasts for 100 Molecular Diagnostic Tests, Supplier Shares, Competitive Strategies, Instrumentation, Technologies

Product link: <https://marketpublishers.com/r/220468D5E82EN.html>

Price: US\$ 15,750.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/220468D5E82EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970