

Table of Contents

Copyright VENTURE PLANNING GROUP
This material is confidential for use by our clients only
and may not be reprinted or reproduced.

VENTURE PLANNING GROUP
reports@vpgcorp.com
+ 1 212 564 2838

Table of Contents

Introduction

Worldwide Market and Technology Overview

A. Major Infectious Disease Tests

1. AIDS

- a. Background**
- b. Diagnostic Tests**
- c. Vaccines and Drugs**

2. Adenovirus

- a. Background**
- b. Diagnostic Tests**
- c. Vaccines and Drugs**
- d. Adeno-Associated Viruses(AAV)**

3. Aeromonas

- a. Background**
- b. Diagnostic Tests**
- c. Vaccines and Drugs**

4. Anthrax/Bacillus Anthracis

- a. Background**
- b. Diagnostic Tests**
- c. Vaccines and Drugs**

5. Arboviruses

- a. Background**
- b. Diagnostic Tests**
- c. Vaccines and Drugs**

6. Babesiosis

- a. Background**

7. Bacillary Epithelioid Angiomatosis (BEA) And Other Bartonella (Rochalimaea)

- a. Background**
- b. Diagnostic Tests**
- c. Vaccines and Drugs**

8. Blastocystis Hominis

- a. Background**
- b. Diagnostic Tests**
- c. Vaccines and Drugs**

Table of Contents (continued)

- 9. Brucella
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 10. Campylobacter
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 11. Candida
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 12. Chagas Disease
 - a. Background
- 13. Chancroid
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 14. Chlamydia
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 15. Clostridium Difficile
 - a. Background
 - b. Diagnostic Tests
 - c. Drugs and Vaccines
- 16. Coronaviruses
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 17. Coxsackieviruses
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 18. Creutzfeldt-Jakob's Disease
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines

Table of Contents (continued)

- 19. Cryptosporidium Parvum
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 20. Cyclospora Cayetanensis
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 21. Cytomegalovirus
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 22. Ebola Virus
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 23. E. Coli
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 24. EchoVirus
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 25. Encephalitis
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 26. Enteroviruses
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 27. Epstein-Barr Virus
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 28. Giardia Lamblia
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs

Table of Contents (continued)

- 29. Gonorrhea**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 30. Granuloma Inguinale**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 31. Hantavirus**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 32. Helicobacter Pylori**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 33. Hepatitis**
 - a. Background**
 - b. Hepatitis A**
 - c. Hepatitis B**
 - d. Hepatitis C**
 - e. Vaccines and Drugs**
- 34. Herpes Simplex Virus**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 35. Human Herpes Virus-6 (HHV-6)**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 36. Influenza Viruses**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 37. Legionella**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**

Table of Contents (continued)

- 38. Lyme Disease**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 39. Lymphogranuloma Venereum (LGV)**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 40. Malaria**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 41. Measles (Rubeola)**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 42. Meningitis**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 43. Microsporidium**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 44. Mononucleosis**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 45. Mumps**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 46. Mycoplasma**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 47. Papillomaviruses**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**

Table of Contents (continued)

- 48. Parvovirus B19**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 49. Pneumonia**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 50. Polyomaviruses**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 51. Pseudomonas Aeruginosa**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 52. Rabies**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 53. Respiratory Syncytial Virus (RSV)**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 54. RhinoViruses**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 55. RotaVirus (REOVIRUS)**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 56. Rubella(MEASLES)**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 57. Salmonellosis**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**

Table of Contents (continued)

- 58. Septicemia**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 59. Shigellosis**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 60. Staphylococcus Aureus**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 61. Streptococci**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 62. Syphilis**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 63. Toxoplasmosis**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 64. Trichomonas Vaginalis**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 65. Tuberculosis**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 66. Vibrio**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**
- 67. West Nile Virus**
 - a. Background**
 - b. Diagnostic Tests**
 - c. Vaccines and Drugs**

Table of Contents (continued)

- 68. Yersina
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- B. Instrumentation Review of Leading Analyzers Marketed by Abbott, Beckman Coulter/Danaher, BioMerieux, Ortho-Clinical Diagnostics, Roche, Siemens, Tosoh, Wallac and Other Suppliers
- C. Emerging Diagnostic Technologies
 - 1. Molecular Diagnostics
 - 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

Italy

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Suppliers

Major Product Development Opportunities

- A. Instrumentation
- B. Reagent Kits and Test Systems/Panels
- C. Computers, Software and Automation
- D. Auxiliary Products

Design Criteria for Decentralized Testing Products

Alternative Market Penetration Strategies

- A. Internal Development
- B. Collaborative Arrangements

C. University Contracts
D. Distribution Strategies for Decentralized Testing Markets

- 1. Marketing Approaches**
- 2. Product Complexity**
- 3. Customer Preference**
- 4. Established Suppliers**
- 5. Emerging Suppliers**
- 6. Major Types of Distributors**
- 7. Market Segmentation**

Potential Market Entry Barriers and Risks

- A. Market Maturity**
- B. Cost Containment**
- C. Competition**
- D. Technological Edge and Limitations**
- E. Patent Protection**
- F. Regulatory Constraints**
- G. Decentralized Testing Market Challenges**

Competitive Assessments

Abbott
Affymetrix
Agilent Technologies
Applied Gene Technologies
Arca Biopharma
Beckman Coulter/Danaher
Becton Dickinson
Biokit
bioMerieux
Bio-Rad
Biotest
Cepheid
Decode Genetics
Diamedix
DiaSorin
Eiken Chemical
Elitech Group
Enzo Biochem

Exact Sciences
Fujirebio
Grifols
GSK Biologicals
Hologic
Illumina
LabCorp
Leica Biosystems
Li-Cor Biosciences
Lonza
Myriad Genetics
Ortho-Clinical Diagnostics
PerkinElmer
Proteome Sciences
Qiagen
Roche
Scienion
Sequenom
SeraCare
Shimadzu
Siemens Healthineers
Sierra Molecular
Takara Bio
Tecan Group
Thermo Fisher
Wako

List of Tables

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

List of Tables (continued)

Major Companies Developing or Marketing Giardia Tests

Major Companies Developing or Marketing Gonorrhea 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

List of Tables (continued)

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

List of Tables (continued)

**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

**Japan Summary Table
All Infectious Diseases Test Volume and Diagnostics
Sales Forecast by Market Segment**

**Japan
Hospital Laboratories Performing Infectious Disease
Tests by Bed Size**

**Japan
Hospital Laboratories Infectious Disease Test
Volume Forecast**

**Japan
Hospital Laboratories Infectious Disease Diagnostics
Market Forecast**

**Japan
AIDS Testing Market Diagnostics Sales by
Major Supplier**

List of Tables (continued)

**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
Gonorrhea 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**

List of Tables (continued)

**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**

List of Tables (continued)

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