









MEDICAL DEVICES

PHARMACEUTICALS

CHEMICALS

FOOD & BEVERAGE

ELECTRONICS

Table of Contents and List of Tables

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

VPG Publications, Consulting, Clients www.VPGcorp.com

VPG Market Research Reports www.VPGMarketResearch.com

Partner Reports www.LeadingMarketResearch.com

VENTURE PLANNING GROUP 1271 Avenue of the Americas, Suite 4300 New York, NY 10020 Phone + 1 212 564 2838 *reports@vpgcorp.com*

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

- 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

- 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

- 29. Gonorrhea
 - a. Background
 - b. Diagnostic Tests
 - c. Vaccines and Drugs
- 30. Granuloma Inquinale
 - 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

- 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

- 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

- 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

- 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

Spain

- 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
- Beckman Coulter/Danaher
- Becton Dickinson
- bioMerieux
- Bio-Rad
- Cepheid
- Diamedix
- DiaSorin
- Eiken Chemical
- Elitech Group
- Enzo Biochem
- Fujirebio
- Grifols
- GSK Biologicals
- Hologic
- Leica Biosystems
- Lonza

- Ortho-Clinical Diagnostics
- PerkinElmer
- Qiagen
- Roche
- Scienion
- Sequenom
- SeraCare
- Siemens Healthineers
- Takara Bio
- 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 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

<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Giardia
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Gonorrhea
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Hantavirus
_	Companies i Tests	Developing	or	Marketing	Helicobacter
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Hepatitis
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Herpes
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Influenza
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Legionella
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Lyme Disease
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Lymphogranuloma
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Malaria
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Measles
<i>Major</i> <i>Tests</i>	Companies	Developing	or	Marketing	Meningitis

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

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

Spain

Hospital Laboratories Performing Infectious Disease Tests by Bed Size

Spain

Hospital Laboratories Infectious Disease Test Volume Forecast

Spain

Hospital Laboratories Infectious Disease Diagnostics Market Forecast

Spain

AIDS Testing Market Diagnostics Sales by Major Supplier

Spain

Western Blot Testing Market Diagnostics Sales by Major Supplier

Spain

Chlamydia Testing Market Diagnostics Sales by Major Supplier

Spain

CMV Testing Market Diagnostics Sales by Major Supplier

Spain

Gonorrhea Testing Market Diagnostics Sales by Major Supplier

Spain

Hepatitis Testing Market Diagnostics Sales by Major Supplier

Spain

Hepatitis C Testing Market Diagnostics Sales by Major Supplier

Spain

Herpes Testing Market Diagnostics Sales by Major Supplier

Spain

Influenza Testing Market Diagnostics Sales by Major Supplier

Spain

Lyme Disease Testing Market Diagnostics Sales by Major Supplier

Spain

Meningitis Testing Market Diagnostics Sales by Major Supplier

List of Tables (continued)

Spain

Mononucleosis Testing Market Diagnostics Sales by Major Supplier

Spain

Mycoplasma Testing Market Diagnostics Sales by Major Supplier

Spain

RSV Testing Market Diagnostics Sales by Major Supplier

Spain

Rotavirus Testing Market Diagnostics Sales by Major Supplier

Spain

Rubella Testing Market Diagnostics Sales by Major Supplier

Spain

Septicemia Testing Market Diagnostics Sales by Major Supplier

Spain

Streptococci Testing Market Diagnostics Sales by Major Supplier

Spain

Syphilis Testing Market Diagnostics Sales by Major Supplier

Spain

Toxoplasmosis Testing Market Diagnostics Sales by Major Supplier

Spain

Trichomonas Testing Market Diagnostics Sales by Major Supplier

Spain

Tuberculosis Testing Market Diagnostics Sales by Major Supplier