

**Analysis of the Global Infectious Disease Testing Market:
Emerging Tests, Technology Assessment, Instrumentation Review,
Sales Forecasts by Country and Strategic Profiles of Leading Suppliers**

Table of Contents

- I. Worldwide Business Environment**
- II. Worldwide Market Structure**
- III. Worldwide Market Size and Growth**
- IV. 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

V. Instrumentation Review: Leading analyzers marketed by Abbott, Beckman Coulter/Danaher, bioMerieux, Orth-Clinical Diagnostics, Roche, Siemens, Tosoh, Wallac and other suppliers

VI. Current and Emerging Technologies

1. Molecular Diagnostics

- a. Technology Overview
- b. Amplification Methods
 - o Polymerase Chain Reaction
 - Temperature Cyclers
 - PCR Variations
 - o Immuno-PCR
 - o QC-PCR
 - o DAP-PCR
 - o Ligase Chain Reaction
 - o Branched DNA
 - o Q-Beta Replicase
 - o Nucleic-Acid Sequence-Based
 - o Strand Displacement Activation

2. Monoclonal Antibodies

3. Immunoassays

- a. Technological Principle
- b. Enzyme Immunoassays (EIA)
 - o Overview
 - o ELISA
 - o Dot Immunobinding Assays
 - o Capillary Immunoassays
 - o Particle-Membrane Capture Immunoassays
 - o Enzyme Amplification
- c. Fluorescent Immunoassays
 - o Fluorescence Polarization
 - o Time-Resolved Pulse Fluorescence
- d. Luminescence
 - o Chemiluminescence
 - o Bioluminescence
- e. Latex Agglutination
- f. Immunoprecipitation

Table of Contents (continued)

4. Differential Light Scattering
5. IT
6. Artificial Intelligence
7. Liposomes
8. Flow Cytometry
9. Chromatography
10. MRI
11. Gel Microdroplets
12. Other

VII. Competitive Profiles

- Abbott
- Affymetrix
- Beckman Coulter/Danaher
- Becton Dickinson
- bioMerieux
- Bio-Rad
- Cepheid
- Diamedix
- DiaSorin
- Eiken Chemical
- Elitech Group
- Enzo Biochem
- Fujirebio
- Grifols
- Hologic/Gen-Probe
- ID Biomedical/GSK
- Kreatech/Leica
- Lonza
- Ortho-Clinical Diagnostics
- Qiagen
- Roche
- Scienion

Table of Contents (continued)

- Sequenom
- SeraCare
- Siemens
- Takara Bio
- Thermo Fisher
- Wallac/PE
- 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

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

List of Tables (continued)

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

List of Tables (continued)

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

Table 1: Laboratories Performing Infectious Disease Tests by Country

Table 2: Total Infectious Disease Test Volume Forecast by Country

Table 3: Total Infectious Disease Diagnostics Market Forecast by Country