2014 Opportunities in the US Infectious Disease Testing Market

Table of Contents

I. Introduction

II. Major Product Development Opportunities

- A. Instrumentation
- B. Reagent Kits and Test Systems/panels
- C. Information Technology
- D. Auxiliary Products

III. Design Criteria for Decentralized Testing Products

IV. 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

V. 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

VI. Worldwide Overview of Major Tests, Technologies, and Instrumentation

- A. Major Infectious Disease Tests
 - 1. AIDS
 - 2. Adenovirus
 - 3. Aeromonas
 - 4. Anthrax/Bacillus Anthracis
 - 5. Arboviruses
 - 6. Babesiosis
 - 7. Bacillary Epithelioid Angiomatosis (BEA) and Other Bartonella (Rochalimaea)
 - 8. Blastocystis Hominis
 - 9. Brucella
 - 10. Campylobacter
 - 11. Candida
 - 12. Chagas Disease
 - 13. Chancroid
 - 14. Chlamydia
 - 15. Clostridium Difficile
 - 16. Coronaviruses
 - 17. Coxsackieviruses
 - 18. Creutzfeldt-Jakob's Disease
 - 19. Cryptosporidium Parvum
 - 20. Cyclospora Cayetanensis
 - 21. Cytomegalovirus
 - 22. Ebola Virus
 - 23. E. Coli
 - 24. EchoVirus
 - 25. Encephalitis
 - 26. Enteroviruses
 - 27. Epstein-Barr Virus
 - 28. Giardia Lamblia
 - 29. Gonorrhea
 - 30. Granuloma Inguinale
 - 31. Hantavirus
 - 32. Helicobacter Pylori

- 33. Hepatitis
- 34. Herpes Simplex Virus
- 35. Human Herpes Virus-6 (HHV-6)
- 36. Influenza Viruses
- 37. Legionella
- 38. Lyme Disease
- 39. Lymphogranuloma Venereum (LGV)
- 40. Malaria
- 41. Measles (Rubeola)
- 42. Meningitis
- 43. Microsporidium
- 44. Mononucleosis
- 45. Mumps
- 46. Mycoplasma
- 47. Papillomaviruses
- 48. Parvovirus B19
- 49. Pneumonia
- 50. Polyomaviruses
- 51. Pseudomonas Aeruginosa
- 52. Rabies
- 53. Respiratory Syncytial Virus (RSV)
- 54. RhinoViruses
- 55. RotaVirus (REOVIRUS)
- 56. Rubella(MEASLES)
- 57. Salmonellosis
- 58. Septicemia
- 59. Shigellosis
- 60. Staphylococcus Aureus
- 61. Streptococci
- 62. Syphilis
- 63. Toxoplasmosis
- 64. Trichomonas Vaginalis
- 65. Tuberculosis
- 66. Vibrio
- 67. West Nile Virus
- 68. Yersina

- B. Instrumentation Review: Operating Characteristics, Features and Selling Princes of Leading Automated and Semiautomated Analyzers
- 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

VII. U.S.A.

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth, Volume by Method, and Major Suppliers' Sales and Market Shares by Test

XI. Competitive Assessments

- Abbott
- Affymetrix
- Beckman Coulter/Danaher
- Becton Dickinson
- bioMerieux
- Bio-Rad
- Cepheid
- Diamedix
- DiaSorin

- Eiken Chemical
- Enzo Biochem
- Fujirebio/Innogenetics
- Hologic/Gen-Probe
- ID Biomedical/GSK
- Kreatech
- Life Technology
- Lonza
- Nanogen/Elitech
- Novartis Diagnostics
- Ortho-Clinical Diagnostics
- Qiagen
- Roche
- Scienion
- Sequenom
- SeraCare
- Siemens
- Takara Bio
- Thermo Fisher
- Wallac/PE
- Wako

XVI. Appendix: Assumed Currency Exchange Rates

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

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

U.S.A. Summary Table All Infectious Diseases Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Laboratories Performing Infectious Disease Tests by Market Segment

U.S.A.

Hospital Laboratories Performing Infectious Disease Tests by Bed Size

U.S.A.

Commercial/Private Laboratories Performing Infectious Disease Tests by Annual Test Volume

U.S.A.

Physician Office Laboratories Performing Infectious Disease Tests by Practice Size

U.S.A.

All Market Segments Infectious Disease Test Volume Forecast

U.S.A.

All Market Segments Infectious Disease Test Volume by Method

U.S.A.

Hospital Laboratories Infectious Disease Test Volume Forecast

U.S.A.

Blood Banks Infectious Disease Test Volume Forecast

U.S.A.

Physician Office Laboratories Infectious Disease Test Volume Forecast

U.S.A.

Commercial/Private Laboratories Infectious Disease Test Volume Forecast

U.S.A.

Public Health Laboratories Infectious Disease Test Volume Forecast

U.S.A.

All Market Segments Infectious Disease Diagnostics Market Forecast

U.S.A.

Hospital Laboratories Infectious Disease Diagnostics Market Forecast

U.S.A.

Blood Banks Infectious Disease Diagnostics Market Forecast

U.S.A.

Physician Office Laboratories Infectious Disease Diagnostics Market Forecast

U.S.A.

Commercial/Private Laboratories Infectious Disease Diagnostics Market Forecast

U.S.A.

Public Health Laboratories Infectious Disease Diagnostics Market Forecast

U.S.A.

HIV or HIV I/HIV II Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

HIVAg Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Western Blot/Other Confirmatory Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Adenovirus Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Aeromonads Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

BEA Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Blastocystis Hominis Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Campylobacter Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Candida Test Volume and Diagnostics Sales Forecast by Market Segment

<u>List of Tables</u> (continued)

U.S.A.

Chancroid Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Chlamydia Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Clostridium Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Coronavirus Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

CoxsackieVirus Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Cryptosporidium Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Cyclospora Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

CMV Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

E. Coli Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Echovirus Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Encephalitis Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Enterovirus Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

EBV Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Giardia Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Gonorrhea Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Granuloma Inguinale Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Hantavirus Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Helicobacter Pylori Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

HAV NAT Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

HBV NAT Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

HbsAg Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Hepatitis C Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Anti-HBC Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Anti-HBS Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Anti-HAV Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Hepatitis Delta Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

HBcAg Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

HBeAg Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

ALT/SGPT Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Herpes Simplex I and II Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Herpes Type VI Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

HTLV I or HTLV I/HTLV II Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Influenza Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Legionella Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Lyme Disease Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Lymphogranuloma Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Malaria Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Measles Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Meningitis Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Microsporidium Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Mononucleosis Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Mumps Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Mycoplasma Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Papilloma Virus Test Volume and Diagnostics Sales Forecast by Market Segment

U.s.a.

Parvovirus Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Pneumonia Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Polyomaviruses Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Pseudomonas Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Rabies

Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

RSV Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Rhinovirus Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Rotavirus Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Rubella Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Salmonella Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Septicemia Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Shigella Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Staphylococci Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Streptococci Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Syphilis Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Toxoplasmosis Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Trichomonas Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Tuberculosis Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Vibrio Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

West Nile Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

Yersinia Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A.

AIDS Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Adenovirus Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Campylobacter Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Candida Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Chancroid Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Chlamydia Testing Market Diagnostics Sales by Major Supplier

U.S.A.

CMV Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Cryptosporidium Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Echovirus Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Enterovirus Testing Market Diagnostics Sales by Major Supplier

U.S.A.

EBV Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Giardia Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Gonorrhea Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Helicobacter Pylori Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Hepatitis Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Hepatitis C Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Herpes Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Influenza Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Legionella Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Lyme Disease Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Measles Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Meningitis Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Mononucleosis Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Mumps Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Mycoplasma Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Pneumonia Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Rabies Testing Market Diagnostics Sales by Major Supplier

U.S.A.

RSV Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Rotavirus Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Rubella Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Salmonella Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Septicemia Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Shigella Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Streptococci Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Syphilis Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Toxoplasmosis Testing Market Diagnostics Sales by Major Supplier