

**Global E. Coli Diagnostics Market
Growth Opportuinites and Business Expansion Strategies**

Table of Contents

I. Introduction

II. Worldwide Market and Technology Overview

A. Background

- *Role of Escherichia Coli in Causing Diarrhea*
- *EPEC*
- *ETEC*
- *EIEC*
- *EHEC*

B. Diagnostic Tests

C. Vaccines and Drugs

D. Emerging Diagnostic Technologies

1. DNA Probes

a. Technology Overview

b. Amplification Methods

- *Polymerase Chain Reaction*
 - *Robotics*
 - *Temperature Cyclers*
 - *PCR Variations*
- *Immuno-PCR*
- *QC-PCR*
- *DAP-PCR*
- *Ligase Chain Reaction*
- *Branched DNA*
- *Q-Beta Replicase*
- *Nucleic-Acid Sequence-Based*
- *Strand Displacement Activation*
- *Self-Sustained Sequence Replicase*

2. Monoclonal Antibodies

3. Immunoassays

a. Technological Principle

b. Enzyme Immunoassays (EIA)

- *Overview*

Table of Contents (continued)

- *ELISA*
- *Dot Immunobinding Assays*
- *Capillary Immunoassays*
- *Particle-Membrane Capture Immunoassays*
- *Enzyme Amplification*
- c. *Fluorescent Immunoassays*
 - *Fluorescence Polarization*
 - *Time-Resolved Pulse Fluorescence*
- d. *Luminescence*
 - *Chemiluminescence*
 - *Bioluminescence*
- e. *Latex Agglutination*
- f. *Immunoprecipitation*
- 4. *Differential Light Scattering*
- 5. *Microcomputers and Automation*
- 6. *Artificial Intelligence*
- 7. *Liposomes*
- 8. *Flow Cytometry*
- 9. *Chromatography*
- 10. *MRI*
- 11. *Gel Microdroplets*
- 12. *Other*
- III. France: *Test Volume and Diagnostics Sales Forecast by Market Segment*
- IV. Germany: *Test Volume and Diagnostics Sales Forecast by Market Segment*
- V. Italy: *Test Volume and Diagnostics Sales Forecast by Market Segment*
- VI. Japan: *Test Volume and Diagnostics Sales Forecast by Market Segment*
- VII. Spain: *Test Volume and Diagnostics Sales Forecast by Market Segment*
- VIII. UK: *Test Volume and Diagnostics Sales Forecast by Market Segment*

Table of Contents (continued)

IX. USA: Test Volume and Diagnostics Sales Forecast by Market Segment

X. 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

XI. 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

XII. Competitive Assessments

- Abbott
- Affymetrix
- Applied
- Beckman Coulter
- Becton Dickinson
- Binding Site
- Biomerica
- Biokit

Table of Contents (continued)

- *bioMerieux*
- *Bio-Rad*
- *Biotrol*
- *Biosite*
- *Biotest*
- *Caliper Technologies*
- *Cepheid*
- *Chemicon*
- *Daiichi*
- *DiaSorin*
- *Diagast*
- *Diamedix*
- *Digene*
- *Eiken*
- *Enzo Biochem*
- *Fujirebio*
- *GenBio*
- *Gene-Tec*
- *Hemagen*
- *Immunetics*
- *Innogenetics*
- *Inverness*
- *J&J*
- *Meridian*
- *Nanogen*
- *Nissui*
- *Olympus*
- *Provalis*
- *Roche*
- *Saliva Diagnostic*
- *SeraCare*
- *Siemens*
- *Third Wave Technologies*
- *Thermo Fisher*
- *Tosho*
- *Trinity Biotech*
- *Tropix*
- *Wampole Labs*
- *Zenith*
- *Zeus*

*E. COLI DIAGNOSTICS MARKET: US, EUROPE, JAPAN
Test Volume and Sales Forecasts by Country*

List of Tables

France

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

Germany

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

Italy

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

Japan

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

Spain

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

U.K.

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

U.S.A.

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