New Frontiers in the European Coagulation Testing Market: Business Challenges, Emerging Technologies, Competitive Landscape

Table of Contents

I. Introduction

II. Worldwide Market and Technology Overview

A. Major Routine and Special Coagulation Tests

- 1. Introduction
- 2. Activated Partial Thromboplastin Time (APTT)
- 3. Alpha-2 Antiplasmin
- 4. Antithrombin III
- 5. Bleeding Time
- 6. D-Dimer
- 7. Ethanol Flocculation Test
- 8. Euglobulin Lysis
- 9. Factor Assays
 - a. Introduction
 - b. Factor II
 - c. Factor V/Factor V Leiden
 - d. Factor VII
 - e. Factor VIII
 - f. Factor IX
 - g. Factor IXa
 - h. Factor X (Stuart Factor)
 - i. Factor Xa
 - j. Factor XI
 - k. Factor XII
 - 1. Factor XIII
- 10. Fibrin Degradation Products
- 11. Fibrinogen
- 12. Heparin
- 13. Hirudin
- 14. Hypercoagulability and Thrombosis
- 15. Lipoprotein a
- 16. Plasmin
- 17. Plasminogen
- 18. Plasminogen Activator Inhibitor (PAI)
- 19. Platelet Function Tests

Table of Contents (continued)

- 20. Platelet Aggregation
- 21. Proteins C and S
- 22. Prothrombin Fragment 1.2
- 23. Prothrombin Time (PT)
- 24. Reptilase Time
- 25. Thrombin Time
- 26. Tissue-Type Plasminogen Activator (t-PA)
- 27. Von Willebrand's Factor

B. Instrumentation Review

C. Major in Vitro Diagnostic Technologies and Their Potential Applications

- 1. Molecular Diagnostics
 - a. Technology Overview
 - b. Amplification Methods
 - c. Sequencing
 - d. Microarrays/Biochips
- 2. Chromogenic Substrates
- 3. Monoclonal and Polyclonal Antibodies
- 4. Immunoassays
- 5. Microcomputers
- 6. Automation
- 7. Robotics
- 8. Artificial Intelligence
- 9. Dry Chemistry
- 10. Biosensors

III. France

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Instrument and Reagent Suppliers' Sales and Market Shares

Table of Contents (continued)

IV. Germany

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Instrument and Reagent Suppliers' Sales and Market Shares

V. Italy

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Instrument and Reagent Suppliers' Sales and Market Shares

VI. Spain

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Instrument and Reagent Suppliers' Sales and Market Shares

VII. UK

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Instrument and Reagent Suppliers' Sales and Market Shares

VIII. Major Product Development Opportunities

IX. Design Criteria For Decentralized Testing Products

Table of Contents (continued)

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
- ADI/American Diagnostica
- Alere/Biosite/Inverness
- Axis-Shield
- Beckman Coulter/Danaher
- Becton Dickinson
- Bio/Data
- Chrono-Log
- Corgenix Medical
- Diagnostica Stago/Trinity Biotech
- Grifols

<u>Table of Contents</u> (continued)

- Helena Laboratories
- HYPEN BioMed
- Instrumentation Laboratory
- ITC/Nexus Dx
- Roche
- Siemens
- Sienco
- SysmexThermo Fischer
- ZyCare/Alere

List of Tables

Major Companies Developing or Marketing Activated Clotting Time Tests

Major Companies Developing or Marketing APTT Tests

Major Companies Developing or Marketing Alpha-2 Antiplasmin Tests

Major Companies Developing or Marketing Antithrombin III Tests

Major Companies Developing or Marketing Bleeding Time Tests

Major Companies Developing or Marketing D-dimer Tests

Major Companies Developing or Marketing Factor Assays

Major Companies Developing or Marketing Fibrin Degradation Product Tests

Major Companies Developing or Marketing Fibrinogen Tests

Major Companies Developing or Marketing Heparin Tests

Major Companies Developing or Marketing Plasmin Tests

Major Companies Developing or Marketing Plasminogen Tests

Major Companies Developing or Marketing Plasminogen Activator Inhibitor Tests

Major Companies Developing or Marketing Platelet Aggregation Tests

Major Companies Developing or Marketing Protein C Tests

Major Companies Developing or Marketing Protein S Tests

Major Companies Developing or Marketing PT Tests

Major Companies Developing or Marketing Thrombin Time Tests

Major Companies Developing or Marketing TPA Tests

Major Companies Developing or Marketing Von Willebrand's Factor Tests

Executive Summary Table: France, Total Coagulation Diagnostics Market By Market Segment and Product Category

France, Laboratories Performing Coagulation Tests By Market Segment

France, Hospital Laboratories Performing Coagulation Tests By Bed Size

France, Commercial/Private Laboratories Performing Coagulation Tests By Annual Test Volume

France, Hospital Laboratories Average Daily Test Volume

France, Commercial/Private Laboratories Average Daily Test Volume

France, Total Coagulation Test Volume By Market Segment

France, All Market Segments Coagulation Test Volume

France, Hospital Laboratories Coagulation Test Volume

France, Commercial/Private Laboratories Coagulation Test Volume

France, Coagulation Reagent Market By Market Segment

France, Major Suppliers of Coagulation Reagents Estimated Sales and Market Shares

France, Coagulation Instrument Market By Market Segment

France, Major Suppliers of Coagulation Analyzers, Estimated Instrument Sales and Market Shares

France, Total Coagulation Diagnostics Market By Product Category

France, Major Suppliers of Coagulation Diagnostic Products, Estimated Sales and Market Shares

Executive Summary Table: Germany, Total Coagulation
Diagnostics Market By Market Segment and Product Category

Germany, Laboratories Performing Coagulation Tests By Market Segment

Germany, Hospital Laboratories Performing Coagulation Tests By Bed Size

Germany, Commercial/Private Laboratories Performing Coagulation Tests By Annual Test Volume

Germany, Hospital Laboratories Average Daily Test Volume

Germany, Commercial/Private Laboratories Average Daily Test Volume

Germany, Physician Offices/Group Practice Average Daily Test Volume

Germany, Total Coagulation Test Volume By Market Segment

Germany, All Market Segments Coagulation Test Volume

Germany, Hospital Laboratories Coagulation Test Volume

Germany, Commercial/Private Laboratories Coagulation Test Volume

Germany, Physician Offices/Group Practices Coagulation Test Volume

Germany, Coagulation Reagent Market By Market Segment

Germany, Major Suppliers of Coagulation Reagents, Estimated Sales and Market Shares

Germany, Coagulation Instrument Market By Market Segment

Germany, Major Suppliers of Coagulation Analyzers, Estimated Instrument Sales and Market Shares

Germany, Total Coagulation Diagnostics Market By Product Category

Germany, Major Suppliers of Coagulation Diagnostic Products, Estimated Sales and Market Shares

Executive Summary Table: Italy, Total Coagulation Diagnostics Market By Market Segment and Product Category

Italy, Laboratories Performing Coagulation Tests By Market Segment

Italy, Hospital Laboratories Performing Coagulation Tests By Bed Size

Italy, Commercial/Private Laboratories Performing Coagulation Tests By Annual Test Volume

Italy, Hospital Laboratories Average Daily Test Volume

Italy, Commercial/Private Laboratories Average Daily Test Volume

Italy, Total Coagulation Test Volume By Market Segment

Italy, All Market Segments Coagulation Test Volume

Italy, Hospital Laboratories Coagulation Test Volume

Italy, Commercial/Private Laboratories Coagulation Test Volume

Italy, Coagulation Reagent Market By Market Segment

Italy, Major Suppliers of Coagulation Reagents Estimated Sales And Market Shares

List of Tables (continued)

Italy, Coagulation Instrument Market By Market Segment

Italy, Major Suppliers of Coagulation Analyzers, Estimated Instrument Sales and Market Shares

Italy, Total Coagulation Diagnostics Market By Product Category

Italy, Major Suppliers of Coagulation Diagnostic Products, Estimated Sales and Market Shares

Executive Summary Table: Spain, Total Coagulation Diagnostics Market By Market Segment and Product Category

Spain, Laboratories Performing Coagulation Tests By Market Segment

Spain, Hospital Laboratories Performing Coagulation Tests By Bed Size

Spain, Commercial/Private Laboratories Performing Coagulation Tests By Annual Test Volume

Spain, Hospital Laboratories Average Daily Test Volume

Spain, Ambulatory Care Centers Average Daily Test Volume

Spain, Commercial/Private Laboratories Average Daily Test Volume

Spain, Total Coagulation Test Volume By Market Segment

Spain, All Market Segments Coagulation Test Volume

Spain, Hospital Laboratories Coagulation Test Volume

Spain, Ambulatory Care Centers Coagulation Test Volume

Spain, Commercial/Private Laboratories Coagulation Test Volume

Spain, Coagulation Reagent Market By Market Segment

Spain, Major Suppliers of Coagulation Reagents, Estimated Sales and Market Shares

Spain, Coagulation Instrument Market By Market Segment

Spain, Major Suppliers of Coagulation Analyzers, Estimated Instrument Sales and Market Shares

Spain, Total Coagulation Diagnostics Market By Product Category

Spain, Major Suppliers of Coagulation Diagnostic Products, Estimates Sales and Market Shares

Executive Summary Table: U.K., Total Coagulation Diagnostics Market By Market Segment and Product Category

U.K., Laboratories Performing Coagulation Tests By Market Segment

U.K., Hospital Laboratories Performing Coagulation Tests By Bed Size

U.K., Commercial/Private Laboratories Performing Coagulation Tests By Annual Test Volume

U.K., Hospital Laboratories Average Daily Test Volume

U.K., Commercial/Private Laboratories Average Daily Test Volume

U.K., Total Coagulation Test Volume By Market Segment

U.K., All Market Segments Coagulation Test Volume

U.K., Hospital Laboratories Coagulation Test Volume

U.K., Commercial/Private Laboratories Coagulation Test Volume

U.K., Coagulation Reagent Market By Market Segment

- U.K., Major Suppliers of Coagulation Reagents Estimated Sales and Market Shares
- U.K., Coagulation Instrument Market By Market Segment
- U.K., Major Suppliers of Coagulation Analyzers, Estimated Instrument Sales and Market Shares
- U.K., Total Coagulation Diagnostics Market By Product Category
- U.K., Major Suppliers of Coagulation Diagnostic Products, Estimated Sales and Market Shares