Table of Contents

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

VENTURE PLANNING GROUP

reports@vpgcorp.com + 1 212 564 2838

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. Chromogenic Substrates
- 2. Monoclonal and Polyclonal Antibodies
- 3. Immunoassays
- 4. Molecular Diagnostics
- 5. Microcomputers
- 6. Automation
- 7. Robotics
- 8. Artificial Intelligence
- 9. Dry Chemistry
- 10. Biosensors

III. Spain

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

IV. Major Product Development Opportunities

V. Design Criteria For Decentralized Testing Products

Table of Contents (continued)

VI. 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

VII. 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

VIII. Competitive Assessments

The report provides strategic assessments of over 20 leading coagulation market players and start-up companies with innovative technologies and products, including:

Abbott Beckman Coulter/Danaher Becton Dickinson Diagnostica Stago Grifols Helena Laboratories IL/Werfen Roche Sekisui Diagnostics Siemens Healthineers Sysmex Thermo Fisher, and others

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

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

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: Spain, Hospital Coagulation Diagnostics Market By Product Category

Spain, Hospital Laboratories Performing Coagulation Tests By Bed Size

Spain, Hospital Laboratories Average Daily Test Volume

Spain, Hospital Laboratories Coagulation Test Volume by Assay

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

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

Spain, Total Coagulation Diagnostics Market By Product Category

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