# **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 Overview**
- **III. Major Product Development Opportunities**

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

- **IV. Design Criteria for Decentralized Testing Products**
- **V. Alternative Market Penetration Strategies**
- VI. Potential Market Entry Barriers and Risks
- VII. Worldwide Market and Technology Overview
- A. Major Flow Cytometry Applications
  - 1. Cell Surface Markers
    - a. Lymphocyte Subclassification CD4/CD8/CD34
    - Instrumentation and Reagent Test Kits
    - b. Other Cell Markers
  - 2. DNA Content Analysis
  - 3. RNA Content Analysis
  - 4. Chemotherapy Monitoring
  - 5. Cell Cycle Analysis
  - 6. Chromosome Analysis
  - 7. Fetal Cell Analysis
  - 8. HLA Typing
  - 9. Microbiology
- 10. Protein Content Analysis
- 11. Multiparameter Analysis
- 12. Other Applications
- **B. Flow Cytometry Instrumentation Review**
- C. Market Needs and Future Demand for Flow Cytometry Analyzers
- **D.** Reagents and Controls

## **E. Current and Emerging Technologies**

- 1. Information Technologies
- 2. Automation and Robotics
- 3. Lasers
- 4. Artificial Intelligence
- 5. Monoclonal Antibodies
- 6. Molecular Diagnostics
- 7. Microdrop Technology

#### VIII. France

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

## IX. Germany

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

## X. Italy

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

## XI. Japan

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

## XII. Spain

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

## XIII. U.K.

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

## XIV. U.S.

- A. Executive Summary
- **B.** Business Environment
  - 1. Health Care Expenditures
  - 2. Cost Consciousness
  - 3. Reimbursement
  - 4. Industry Consolidation
  - 5. Managed Care
    - a. HMO
    - b. PPO
  - 6. Hospitals
  - 7. Admissions
  - 8. Length of Stay
  - 9. Industry Diversification
  - 10. Physician Demographics
  - 11. Population Aging
    - a. Chronic Illness
    - b. Disease Incidence
    - c. Susceptibility to latrogenesis
    - d. Multiple Illness Cases
  - 12. Laboratory Regulations
- C. Market Structure
- D. Market Size, Growth and Major Suppliers' Market Shares

## **XV. Competitive Assessments**

- Abbott
- Agilent Technologies
- Beckman Coulter/Danaher
- Becton Dickinson
- Bio-Rad
- CellaVision
- Horiba
- Nihon Kohden
- Ortho-Clinical Diagnostics
- Roche
- Siemens Healthineers
- Sysmex

XVI. Appendix: Major Universities and Research Centers Developing New Flow Cytometry Technologies and Applications

#### **List of Tables**

Worldwide, All Market Segments, Laboratories Performing Hematology/Flow Cytometry Tests By Country

Worldwide, All Market Segments, Total Flow Cytometry and Special Hematology Specimen Volume By Country

Worldwide, All Market Segments, Total Flow Cytometry And Special Hematology Test Volume By Country

Worldwide, All Market Segments, Total Flow Cytometry Diagnostics Market By Country

France, Laboratories Performing Hematology/Flow Cytometry Tests By Market Segment

France, Hospital Laboratories Performing Hematology and Flow Cytometry Tests By Bed Size

France, Commercial/Private Laboratories Performing Hematology/Flow Cytometry Tests By Annual Test Volume

France, Total Flow Cytometry and Special Hematology Specimen Volume By Market Segment

France, Total Flow Cytometry and Special Hematology Test Volume By Market Segment

France, All Market Segments, Flow Cytometry And Special Hematology Test Volume Forecast

France, Hospital Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast

France, Commercial/Private Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast France, Total Flow Cytometry Diagnostics Market Forecast By Market Segment

France, Flow Cytometry Instrument Market Forecast By Market Segment

France, Flow Cytometry Consumable Market Forecast By Market Segment

France, Total Flow Cytometry Market By Major Supplier

France, Flow Cytometry Instrument Market By Major Supplier

France, Flow Cytometry Consumables Market By Major Supplier

Germany, Laboratories Performing Hematology and Flow Cytometry Testing By Market Segment

Germany, Hospital Laboratories Performing Hematology and Flow Cytometry Tests By Bed Size

Germany, Commercial/Private Laboratories Performing Hematology and Flow Cytometry Tests By Annual Test Volume

Germany, Total Flow Cytometry and Special Hematology Test Volume Forecast By Market Segment

Germany, Total Flow Cytometry and Special Hematology Test Volume By Market Segment

Germany, Hospital Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast Germany, Total Flow Cytometry Diagnostics Market Forecast By Market Segment

Germany, Flow Cytometry Instrument Market Forecast By Market Segment

Germany, Flow Cytometry Consumable Market Forecast By Market Segment

Germany, Total Flow Cytometry Market By Major Supplier

Germany, Flow Cytometry Instrument Market By Major Supplier

Germany, Flow Cytometry Consumables Market By Major Supplier

Italy, Laboratories Performing Hematology/ Flow Cytometry Tests By Market Segment

Italy, Hospital Laboratories Performing Hematology and Flow Cytometry Tests By Bed Size

Italy, Commercial/Private Laboratories Performing Hematology and Flow Cytometry Tests By Annual Test Volume

Italy, Total Flow Cytometry and Special Hematology Specimen Volume Forecast By Market Segment

Italy, All Market Segments, Total Flow Cytometry and Special Hematology Test Volume Forecast Italy, All Market Segments Flow Cytometry And Special Hematology Test Volume Forecast

Italy, Hospital Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast

Italy, Commercial/Private Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast

Italy, Total Flow Cytometry Diagnostics Market Forecast By Market Segment

Italy, Flow Cytometry Instrument Market Forecast By Market Segment

Italy, Flow Cytometry Consumables Market Forecast By Market Segment

Italy, Total Flow Cytometry Diagnostics Market By Major Supplier

Italy, Flow Cytometry Instrument Market By Major Supplier

Italy, Flow Cytometry Consumables Market By Major Supplier

Japan, Laboratories Performing Hematology/ Flow Cytometry Tests By Market Segment

Japan, Hospital Laboratories Performing Hematology/Flow Cytometry Tests By Bed Size

Japan, Commercial/Private Laboratories Performing Hematology/Flow Cytometry Tests By Annual Test Volume Japan, Total Flow Cytometry and Special Hematology Specimen Volume Forecast By Market Segment

Japan, Total Flow Cytometry and Special Hematology Test Volume Forecast By Market Segment

Japan, All Market Segments, Flow Cytometry And Special Hematology Test Volume Forecast

Japan, Hospital Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast

Japan, Commercial/Private Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast

Japan, Total Flow Cytometry Diagnostics Market Forecast By Market Segment

Japan, Flow Cytometry Instrument Market Forecast By Market Segment

Japan, Flow Cytometry Consumable Market Forecast By Market Segment

Japan, Total Flow Cytometry Market By Major Supplier

Japan, Total Flow Cytometry Instrument Market By Major Supplier

Japan, Total Flow Cytometry Consumables Market By Major Supplier

Spain, Laboratories Performing Hematology and Flow Cytometry Tests By Market Segment

Spain, Hospital Laboratories Performing Hematology/Flow Cytometry Tests By Bed Size Spain, Commercial/Private Laboratories Performing Hematology and Flow Cytometry Tests By Annual Test Volume

Spain, Total Flow Cytometry and Special Hematology Specimen Volume Forecast By Market Segment

Spain, Total Flow Cytometry and Special Hematology Test Volume Forecast By Market Segment

Spain, All Marker Segments, Flow Cytometry And Special Hematology Test Volume Forecast

Spain, Hospital Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast

Spain, Ambulatory Care Centers, Flow Cytometry And Special Hematology Test Volume Forecast

Spain, Total Flow Cytometry Diagnostics Market Forecast By Market Segment

Spain, Flow Cytometry Consumable Market Forecast By Market Segment

Spain, Flow Cytometry Instrument Market Forecast By Market Segment

Spain, Total Flow Cytometry Diagnostics Market By Major Supplier

Spain, Flow Cytometry Instrument Market By Major Supplier

Spain, Flow Cytometry Consumables Market By Major Supplier U.K., Laboratories Performing Hematology and Flow Cytometry Tests By Market Segment

U.K., Hospital Laboratories, Performing Hematology/ Flow Cytometry Tests By Bed Size

U.K., Commercial/Private Laboratories, Performing Hematology/Flow Cytometry Tests By Annual Test Volume

U.K., Total Flow Cytometry and Special Hematology Specimen Volume, By Market Segment

U.K., Total Flow Cytometry and Special Hematology Specimen Volume, By Volume Forecast

U.K., Hospital Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast

U.K., Total Flow Cytometry Diagnostics Market Forecast By Market Segment

U.K., Total Flow Cytometry Instrument Market Forecast By Market Segment

U.K., Total Flow Cytometry Consumable Market Forecast By Market Segment

U.K., Total Flow Cytometry Market By Major Supplier

U.K., Total Flow Cytometry Instrument Market By Major Supplier

U.K., Total Flow Cytometry Consumables Market By Major Supplier U.S., Laboratories Performing Hematology/Flow Cytometry Tests By Market Segment

U.S., Hospital Laboratories Performing Hematology/Flow Cytometry Tests By Bed Size

U.S., Commercial/Private Laboratories Performing Hematology/Flow Cytometry Tests By Annual Test Volume

U.S., Physician Offices/Group Practices Performing Hematology/Flow Cytometry Tests By Practice Size

U.S., Total Flow Cytometry and Special Hematology Specimen Volume Forecast By Market Segment

U.S., Total Flow Cytometry and Special Hematology Specimen Volume Forecast

U.S., All Market Segments Flow Cytometry and Special Hematology Test Volume Forecast

U.S., Hospital Laboratories, Flow Cytometry and Special Hematology Test Volume Forecast

U.S., Commercial/Private Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast

U.S., Physician Office Laboratories, Flow Cytometry And Special Hematology Test Volume Forecast

U.S., Total Flow Cytometry Diagnostics Market Forecast By Market Segment

U.S., Flow Cytometry Instrument Market Forecast By Market Segment U.S., Flow Cytometry Consumable Market Forecast By Market Segment

U.S., Total Flow Cytometry Diagnostics Market By Major Supplier

U.S., Total Flow Cytometry Instrument Market By Major Supplier

U.S., Total Flow Cytometry Consumables Market By Major Supplier