

Table of Contents

I. Introduction

II. Worldwide Market and Technology Overview

- A. Lymphocyte Subclassification CD4/CD8/CD34
 - Instrumentation and Reagent Test Kits
 - * BD
 - * Beckman Coulter/Danaher
 - * T Cells Diagnostics
- B. CD34
- C. Other Cell Markers
- D. Instrumentation Review
 - 1. Hematology Analyzers
 - a. Overview
 - Electrical Aperture-Impedance Analyzers
 - Light Scatter Analyzers
 - b. System Review
 - Abbott
 - Beckman Coulter/Danaher
 - Biocode Hycel
 - Drew-Scientific
 - Horiba
 - Menarini
 - Nihon Kohden
 - Siemens
 - Sysmex
 - 2. Flow Cytometers
 - a. Introduction
 - b. System Overview
 - Becton Dickinson
 - Beckman Coulter/Danaher
- E. Current Market Needs and Future Demand For Hematology Analyzers
- F. Reagents and Controls

Table of Contents (continued)

G. 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

III. U.S. : Forecasts by Test and Market Segment

IV. Alternative Market Penetration Strategies

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies for the Decentralized Testing Markets
 1. Four Marketing Approaches
 2. Product Complexity Factor
 3. Customer Preference Factor
 4. Established Suppliers
 5. Emerging Suppliers
 6. Major Types of Distributors
 7. Market Segmentation Factor

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

Table of Contents (continued)

VI. Competitive Assessments

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

VII. Appendix: Major Universities and Research Centers Developing Hematology/Flow Cytometry Technologies and Applications

List of Tables

U.S., Hospital Laboratories Estimated
Cell Surface Marker Test Volume

U.S., Commercial/Private Laboratories Estimated
Cell Surface Marker Test Volume

U.S., Physician Office Laboratories Estimated
Cell Surface Marker Test Volume

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

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

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