

Table of Contents and List of Tables



Over 1,000 corporations in 70 countries are relying on our market intelligence, expert analysis, and strategic insight, critical to the development and implementation of effective business, R&D and marketing programs.

www.LeadingMarketResearch.com

www.VPGMarketResearch.com

reports@vpgcorp.com

+1 212 564 2838

Table of Contents

Introduction

Executive Summary

Rationale for Testing Decentralization

1. Overview
2. Regulatory Trends
3. Economic Trends
4. Demographic Trends
5. Technological Trends
6. Social Trends
7. Quality of Care
8. Defensive Medicine
9. Quality Control Issues

Major Routine and Special Hematology Tests

1. CBC Analysis
 - a. Hemoglobin Concentration
 - b. Hematocrit Determination
 - c. Red Blood Cell Count
 - d. Platelets

Instrumentation: Hematology Analyzers Manufactured by:

- Abbott
- Becton Dickinson
- Beckman Coulter/Danaher
- Biocode
- Drew-Scientific
- Diesse Ves Matic
- Horiba
- Menarini
- Nihon Kohden
- Polymedco
- Sysmex

Table of Contents (continued)

Current and Emerging Technologies

1. Monoclonal Antibodies
2. Immunoassays
 - a. Technological Principle
 - b. Enzyme Immunoassays (EIA)
 - Overview
 - ELISA
 - Dot Immunobinding Assays
 - Capillary Immunoassays
 - Particle-Membrane Capture Immunoassay
 - Enzyme Amplification
 - c. Fluorescent Immunoassays
 - Fluorescent Polarization
 - Time-Resolved Pulse Fluorescence
 - d. Luminescence
 - Chemiluminescence
 - Bioluminescence
 - e. Latex Agglutination
 - f. Immunoprecipitation
3. Dry Chemistry
4. Biosensors
5. IT and Automation
6. Molecular Diagnostics
 - a. Technology Overview
 - b. Amplification Methods
 - Polymerase Chain Reaction
 - Ligase Chain Reaction
 - Branched DNA
 - Q-Beta Replicase
 - Strand Displacement Activation
 - Self-Sustained Sequence Replicase

U.S.A.

- A. Market Overview
 1. Business Environment
 - a. Health Care Expenditures
 - b. Cost Consciousness
 - c. Reimbursement

Table of Contents (continued)

- d. Industry Consolidation
- e. Managed Care
 - PPO
 - HMO
- f. Hospitals
- g. Admissions
- h. Length of Stay
- i. Industry Diversification
- j. Physician Demographics
- k. Aging Population
 - More Chronic Illness
 - Disease Incidence
 - Susceptibility to Iatrogenesis
 - Multiple Illnesses Cases
- l. Laboratory Regulations
- 2. Market Structure
 - a. Hospitals
 - b. Commercial/Private Laboratories
- B. Physician Offices/Group Practices
 - 1. Market Summary
 - 2. Market Structure
 - 3. Test Volume and Sales Forecasts
- C. Ancillary Hospital Locations
 - 1. Introduction
 - a. Emergency Departments
 - b. Operating Suites
 - c. Intensive Care Units
 - 2. Emergency Departments
 - a. Market Summary
 - b. Test volume and Sales Forecasts
 - 3. Operating and Recovery Suites
 - a. Market Summary
 - b. Test Volume and Sales Forecasts
 - 4. ICUs/CCUs
 - a. Market Summary
 - b. Test Volume and Sales Forecasts
- D. Cancer Clinics
 - 1. Introduction
 - 2. Market Summary
 - 3. Test Volume and Sales Forecasts

Table of Contents (continued)

- E. Ambulatory Care Centers
 - 1. Introduction
 - 2. Market Summary
 - 3. Market Structure
 - 4. Test Volume and Sales Forecasts
- F. Surgery Centers
 - 1. Introduction
 - 2. Market Summary
 - 3. Market Structure
 - 4. Test Volume and Sales Forecasts
- G. Nursing Homes
 - 1. Introduction
 - 2. Market Summary
 - 3. Market Structure
 - 4. Test Volume and Sales Forecasts
- H. Birth Centers
 - 1. Introduction
 - 2. Market Summary
 - 3. Market Structure
 - 4. Test Volume and Sales Forecasts
- I. Major Suppliers' Instrument Placements,
Installed Base, Instrument and Consumables Sales, and Market Shares

Major Product Development Opportunities

Design Criteria for Decentralized Testing Products

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

Table of Contents (continued)

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

Company Profile

The report provides strategic assessments of over 15 leading hematology and flow cytometry market players and start-up companies with innovative technologies and products, including:

- Abbott
- Agilent Technologies
- Beckman Coulter/Danaher
- Becton Dickinson
- Bio-Rad
- CellaVision
- Horiba
- Nihon Kohden
- QuidelOrtho
- Roche
- Sekisui Diagnostics
- Siemens Healthineers
- Sysmex and others

List of Tables

U.S.A., Physician Office/Group Practice
Laboratories Forecast by Practice Size

U.S.A., Physician Offices/Group Practices
Forecast by Type

U.S.A., Office-Based Physicians
Forecast by Practice Type

U.S.A., Physician Offices/Group Practices
Routine Hematology Test Volume Forecast

U.S.A., Physician Offices Laboratories
Flow Cytometry and Special Hematology
Test Volume Forecast

U.S.A., Physician Offices/Group Practices
Hematology and Flow Cytometry Test Volume
Forecast by Practice Type

U.S.A., Physician Offices/Group Practices
Hematology and Flow Cytometry Consumables
Market Forecast

U.S.A., Ancillary Hospital Locations Estimated Number

U.S.A., Ancillary Hospital Locations Annual Utilization

U.S.A., Hospital Emergency Departments
Routine Hematology Test Volume Forecast

U.S.A., Hospital Emergency Departments
Hematology Reagent Market Forecast

U.S.A., Hospital Operating and Recovery Suites
Routine Hematology Test Volume Forecast

U.S.A., Hospital Operating and Recovery Suites
Hematology Reagent Market Forecast

U.S.A., Hospital ICUs/CCUs
Routine Hematology Test Volume Forecast

List of Tables (continued)

U.S.A., Hospital ICUs/CCUs
Hematology Reagent Market Forecast

U.S.A., Cancer Clinics Routine
Hematology/Flow Cytometry Test Volume Forecast

U.S.A., Cancer Clinics Hematology
and Flow Cytometry Reagent Market Forecast

U.S.A., Ambulatory Care Centers Estimated
Number of Facilities and Patient Visits

U.S.A., Ambulatory Care Centers
Most Frequent Diagnoses

U.S.A., Ambulatory Care Centers
Routine Hematology Test Volume Forecast

U.S.A., Ambulatory Care Centers
Hematology Reagent Market Forecast

U.S.A., Surgery Centers Most
Frequently Performed Procedures

U.S.A., Surgery Centers
Routine Hematology Test Volume Forecast

U.S.A., Surgery Centers Hematology
Consumable Market Forecast

U.S.A., Nursing Homes
Estimated Number of Facilities,
Beds and Occupancy Rate

U.S.A., Nursing Homes
Routine Hematology Test Volume Forecast

U.S.A., Nursing Homes
Hematology Reagent Market Forecast

List of Tables (continued)

U.S.A., Birth Centers Facilities,
Patient Visits, and Births

U.S.A., Birth Centers
Routine Hematology Test Volume Forecast

U.S.A., Birth Centers
Hematology Reagent Market Forecast

U.S.A., Hematology Analyzers
Estimated Placements and Installed Base

U.S.A., Flow Cytometers
Estimated Placements and Installed Base

U.S.A., Hematology Diagnostics Market
Estimated Market Shares of Major Suppliers

U.S.A., Hematology Instrument Market
Estimated Market Shares of Major Suppliers

U.S.A., Hematology Consumable Market
Estimated Market Shares of Major Suppliers

U.S.A., Flow Cytometry Diagnostics Market
Estimated Market Shares of Major Suppliers

U.S.A., Flow Cytometry Consumable Market
Estimated Market Shares of Major Suppliers

U.S.A., Flow Cytometry Instruments Market
Estimated Market Shares of Major Suppliers