

# **World Hematology and Flow Cytometry Analyzer and Reagent Markets, 2021-2025-Supplier Shares, Segment Forecasts, Growth Opportunities in 97 Countries—Competitive Strategies, Instrumentation Pipeline, Latest Technologies**

<https://marketpublishers.com/r/28460628F1DCEN.html>

Date: November 2021

Pages: 0

Price: US\$ 35,000.00 (Single User License)

ID: 28460628F1DCEN

## **Abstracts**

This unique report from LeadingMarketResearch.com provides information and analysis not available from any other published source.

The report is available by section, and can be customized to specific information needs and budget.

This survey from LeadingMarketResearch.com provides granular data and analysis not available elsewhere. The survey is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities emerging in the global hematology and flow cytometry markets during the next five years.

## **Rationale**

Continued advances in molecular diagnostics, monoclonal antibodies, lasers and IT, as well as growing understanding of immunologic forces regulating systemic diseases, will have a profound impact on the hematology and flow cytometry markets worldwide. New molecular diagnostic and monoclonal antibody tests will facilitate existing procedures and provide basis for sensitive, specific and simple assays. The introduction of smaller and easy-to-operate laser systems will further expand applications of flow cytometry to routine clinical laboratories. Further advances in IT will reduce the cost of instrument manufacture, service warranty, and permit development of self-troubleshooting, auto-calibration and other advanced features. Presently tedious analyses of chromosomal

abnormalities, DNA content, and lymphocyte subsets will become more automated and routine.

## Geographic Regions and Countries

### Asia-Pacific

Australia, Bangladesh, China, Hong Kong, India, Indonesia, Japan, Malaysia, Myanmar, New Zealand, Pakistan, Philippines, Singapore, South Korea, Taiwan, Thailand, Vietnam

### Europe

Albania, Austria, Belarus, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kazakhstan, Latvia, Lithuania, Malta, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, UK, Ukraine

### Latin America

Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Uruguay, Venezuela

### Middle East

Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, United Arab Emirates

### North America

Canada, Mexico, USA

## Strategic Recommendations

New product development opportunities with significant market appeal.

Alternative market penetration strategies.

Potential market entry barriers and risks.

### Market Segmentation Analysis

Sales and market share estimates of leading hematology and flow cytometry product suppliers in major countries.

Specimen, test and sales forecasts for over 40 procedures.

### Sales and Market Share Analysis

Sales and market shares of major instrument and reagent suppliers in major countries.

### Hematology Tests Analyzed in the Report

CBC + 5-Part Differential, Manual Differential/Review, Hematocrit (Automated, Manual), Hemoglobin (Automated, Manual), Sedimentation Rate, Reticulocytes, WBC (Automated, Manual), Platelets (Automated, Manual), Bone Marrow Analysis, RBC, Eosinophils

### Flow Cytometry Tests Analyzed in the Report

Cell Surface Markers (CD4/CD8/T&B Lymphocytes, CD34, Others), Chemotherapy Monitoring (Leukemia/Lymphoma, Others), HLA Typing, Sperm Analysis, Cell Cycle Kinetics, Cell Function Testing, Chromosomal Abnormalities, Fetal Cell Analysis, Granulocyte Function, Receptor DNA/RNA Analysis, Cell Culturing

### Instrumentation Review

Reviews of current instrumentation technologies, and features of leading hematology, flow cytometry, platelet aggregation and sedimentation rate analyzers.

The report features analyzers marketed by Abbott, Beckman Coulter/Danaher, Becton Dickinson, Biocode Hycel, CellaVision, DIESSE Ves Matic, Drew-Scientific, Horiba, Medica, Menarini, Nihon Kohden, Polymedco, Siemens, Sysmex and other suppliers.

## Technology Review

Assessment of current and emerging technologies and their potential market applications.

Companies developing or marketing new technologies and products by test.

## Competitive Assessments

Strategic profiles of major suppliers and emerging market entrants.

## 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 Routine and Special Hematology Tests

1. Introduction
2. CBC Analysis
  - a. Hemoglobin Concentration
  - b. Hematocrit Determination
  - c. Red Blood Cell Count
  - d. Red Cell Indices
    - MCV
    - RDW
    - MCHC
    - CHCM
    - HDW
    - MCH
  - e. Red Cell Size Histograms
  - f. Platelets
    - Platelet Count
    - Platelet Size/MPV
    - PDW

- Automated Systems
- g. Reticulocytes
- 3. White Blood Cell Analysis
  - a. WBC Count
  - b. Five-Partial Differential Major Suppliers
  - c. Pattern Recognition Systems
  - d. Comparison of Major Differential Analyzers
- 4. Reticulocytes
- 5. Platelet Function Tests
- 6. Erythrocyte Sedimentation Rate/CRP
- 7. Red Cell Analysis
- 8. 2, 3 DPG
- 9. Red Cell Deformability
- 10. Neutrophil Function Tests
- 11. Semen Analysis
- 12. Bone Marrow Analysis
- 13. Urinalysis
- B. 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
- C. Hematology and Flow Cytometry Instrumentation Review
  - 1. Hematology Analyzers
    - a. Overview  
Electrical Aperture-Impedance Analyzers  
Light Scatter Analyzers
    - b. Review of major analyzers from:

Abbott, Beckman Coulter/Danaher, Bio-Rad, CellaVision, Horiba, Nihon Kohden, Sekisui Diagnostics, Siemens Healthineers, Sysmex, and other suppliers.

## 2. Flow Cytometers

### a. Introduction

### b. System Overview

## 3. Platelet Aggregometers

## 4. Sedimentation Rate Analyzers

## D. Market Needs and Future Demand

for Hematology and Flow Cytometry Analyzers

## E. Reagents and Controls

## F. 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

## **VII. COUNTRY MARKET ANALYSES: HEMATOLOGY AND FLOW CYTOMETRY TEST**

### Volume and Sales Forecasts for 97 Countries

Albania, Algeria, Argentina, Australia, Austria, Bahrain, Bangladesh, Belarus, Belgium, Bolivia, Brazil, Bulgaria, Canada, Chile, China, Colombia, Costa Rica, Croatia, Cuba, Cyprus, Czech Republic, Denmark, Dominican Republic, Ecuador, Egypt, El Salvador, Estonia, Finland, France, Georgia, Germany, Ghana, Greece, Guatemala, Haiti, Honduras, Hong Kong, Hungary, Iceland, India, Indonesia, Iran, Iraq, Ireland, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kuwait, Latvia, Lebanon, Lithuania, Malaysia, Malta, Mexico, Moldova, Morocco, Myanmar, Netherlands, New Zealand, Nicaragua, Nigeria, Norway, Oman, Pakistan, Panama, Paraguay, Peru, Philippines, Poland, Portugal, Puerto Rico, Qatar, Romania, Russia, Saudi Arabia, Serbia, Singapore, Slovak Republic, Slovenia, South Korea, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, UK, Ukraine, United Arab Emirates, Uruguay, USA, Venezuela, Vietnam

## **VIII. COMPETITIVE ASSESSMENTS**

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  
Mindray  
Nihon Kohden  
Ortho-Clinical Diagnostics  
Roche  
Sekisui Diagnostics  
Siemens Healthineers  
Sysmex and others



## I would like to order

Product name: World Hematology and Flow Cytometry Analyzer and Reagent Markets, 2021-2025-Supplier Shares, Segment Forecasts, Growth Opportunities in 97 Countries—Competitive Strategies, Instrumentation Pipeline, Latest Technologies

Product link: <https://marketpublishers.com/r/28460628F1DCEN.html>

Price: US\$ 35,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/28460628F1DCEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970