

# **2022-2026 North America Hematology and Flow Cytometry Analyzer and Reagent Markets-Growth Opportunities in the US, Canada and Mexico, Supplier Shares, Test Volume and Sales Segment Forecasts—Competitive Strategies, Instrumentation Pipeline, Latest Technologies**

<https://marketpublishers.com/r/254D17058D14EN.html>

Date: December 2021

Pages: 0

Price: US\$ 9,700.00 (Single User License)

ID: 254D17058D14EN

## **Abstracts**

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

This new 3-country report from LeadingMarketResearch.com is available by country, market segment, section, or individual test, and can be customized to specific information needs and budget.

The survey is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities emerging in the 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. 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.

## Country Analyses

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 Hyclon, CellaVision, Diatek, Diatek 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. 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. 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. System Review

Abbott

Beckman Coulter/Danaher

Biocode Hycel

CellaVision

Drew-Scientific

Horiba

Medica

Menarini

Nihon Kohden

Siemens

Sysmex

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

## **VIII. COUNTRY ANALYSES: SUPPLIER SHARES, SPECIMEN, VOLUME AND SALES FORECASTS FOR 40 TESTS**

Canada

Mexico

USA

## **IX. 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  
Nihon Kohden  
Ortho-Clinical Diagnostics  
Roche  
Sekisui Diagnostics  
Siemens Healthineers  
Sysmex and others

## List Of Tables

### LIST OF TABLES

Canada All Market Segments Total Hematology and Flow Cytometry Specimen Volume Forecast

Canada All Market Segments Total Hematology and Flow Cytometry Test Volume Forecast

Canada All Market Segments Total Hematology and Flow Cytometry Market Forecast

Canada All Market Segments, Total Routine Hematology Test Volume Forecast by Assay

Canada All Market Segments, Total Flow Cytometry and Special Hematology Test Volume Forecast by Assay

Mexico All Market Segments Total Hematology and Flow Cytometry Specimen Volume Forecast

Mexico All Market Segments Total Hematology and Flow Cytometry Test Volume Forecast

Mexico All Market Segments Total Hematology and Flow Cytometry Market Forecast

Mexico All Market Segments, Total Routine Hematology Test Volume Forecast by Assay

Mexico All Market Segments, Total Flow Cytometry and Special Hematology Test Volume Forecast by Assay

U.S., Laboratories Performing Hematology/Flow Cytometry Testing by Market Segment

U.S., Hospital Laboratories Performing Hematology and 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 Annual Test Volume

U.S., Total Routine Hematology Specimen Volume Forecast By Market Segment

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

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

U.S., Physician Offices/Group Practices, Hematology and Flow Cytometry Specimen Volume Forecast

U.S., Commercial/Private Laboratories, Hematology and Flow Cytometry Specimen Volume Forecast

U.S., Total Routine Hematology Test Volume Forecast by Market Segment



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

U.S., All Market Segments, Total Routine Hematology Test Volume Forecast

U.S., Hospital Laboratories, Routine Hematology Test Volume Forecast

U.S., Commercial/Private Laboratories, Routine Hematology Test Volume Forecast

U.S., Physician Office Laboratories, Routine Hematology Test 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 Hematology Market by Market Segment Forecast

U.S., Total Flow Cytometry Market Forecast by Market Segment

U.S., Total Hematology Market by Major Supplier

U.S., Total Flow Cytometry Market by Major Supplier

## I would like to order

Product name: 2022-2026 North America Hematology and Flow Cytometry Analyzer and Reagent Markets-Growth Opportunities in the US, Canada and Mexico, Supplier Shares, Test Volume and Sales Segment Forecasts—Competitive Strategies, Instrumentation Pipeline, Latest Technologies

Product link: <https://marketpublishers.com/r/254D17058D14EN.html>

Price: US\$ 9,700.00 (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/254D17058D14EN.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