

# **Middle East Hematology and Flow Cytometry Analyzers and Reagents Market, 2019-2023: An 11-Country Analysis-Supplier Strategies, Test Volume and Sales Segment Forecasts, Technology and Instrumentation Review, Emerging Opportunities**

<https://marketpublishers.com/r/2F0F17FB8B6EN.html>

Date: June 2019

Pages: 300

Price: US\$ 11,500.00 (Single User License)

ID: 2F0F17FB8B6EN

## **Abstracts**

This new 11-country report from LeadingMarketResearch.com is available by country, market segment, section, or individual test.

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**

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

### Strategic Recommendations

New product development opportunities with significant market appeal.

Alternative market penetration strategies.

Potential market entry barriers and risks.

### 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.

Contains 300 pages and 55 tables

## 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**

Bahrain

Iran

Iraq

Israel

Jordan

Kuwait

Lebanon

Oman

Qatar

Saudi Arabia  
United Arab Emirates

## **IX. COMPETITIVE ASSESSMENTS**

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

## **X. APPENDIX: MAJOR UNIVERSITIES AND RESEARCH CENTERS DEVELOPING NEW HEMATOLOGY/FLOW CYTOMETRY TECHNOLOGIES AND APPLICATIONS**

## List Of Tables

### LIST OF TABLES

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

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

Bahrain All Market Segments Total Hematology and Flow Cytometry Market Forecast

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

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

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

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

Iran All Market Segments Total Hematology and Flow Cytometry Market Forecast

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

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

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

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

Iraq All Market Segments Total Hematology and Flow Cytometry Market Forecast

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

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

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

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

Israel All Market Segments Total Hematology and Flow Cytometry Market Forecast

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

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

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

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



Jordan All Market Segments Total Hematology and Flow Cytometry Market Forecast  
Jordan All Market Segments, Total Routine Hematology Test Volume Forecast by Assay

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

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

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

Kuwait All Market Segments Total Hematology and Flow Cytometry Market Forecast

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

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

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

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

Lebanon All Market Segments Total Hematology and Flow Cytometry Market Forecast

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

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

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

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

Oman All Market Segments Total Hematology and Flow Cytometry Market Forecast

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

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

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

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

Qatar All Market Segments Total Hematology and Flow Cytometry Market Forecast

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

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

Saudi Arabia All Market Segments Total Hematology and Flow Cytometry Specimen Volume Forecast

Saudi Arabia All Market Segments Total Hematology and Flow Cytometry Test Volume Forecast

Saudi Arabia All Market Segments Total Hematology and Flow Cytometry Market Forecast

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

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

United Arab Emirates All Market Segments Total Hematology and Flow Cytometry Specimen Volume Forecast

United Arab Emirates All Market Segments Total Hematology and Flow Cytometry Test Volume Forecast

United Arab Emirates All Market Segments Total Hematology and Flow Cytometry Market Forecast

United Arab Emirates All Market Segments, Total Routine Hematology Test Volume Forecast by Assay

United Arab Emirates All Market Segments, Total Flow Cytometry and Special Hematology Test Volume Forecast by Assay

## I would like to order

Product name: Middle East Hematology and Flow Cytometry Analyzers and Reagents Market, 2019-2023: An 11-Country Analysis-Supplier Strategies, Test Volume and Sales Segment Forecasts, Technology and Instrumentation Review, Emerging Opportunities

Product link: <https://marketpublishers.com/r/2F0F17FB8B6EN.html>

Price: US\$ 11,500.00 (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/2F0F17FB8B6EN.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