

Table of Contents



Thousands of corporations worldwide 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

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

Table of Contents (continued)

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

Table of Contents (continued)

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

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

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

List of Tables (continued)

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

List of Tables (continued)

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

List of Tables (continued)

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

List of Tables (continued)

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

List of Tables (continued)

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