

# **New Frontiers in Hematology and Flow Cytometry: Global Challenges, Emerging Technologies, Competitive Landscape**

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## **Abstracts**

Complete report \$34,200. DataPack (test volumes, sales forecasts, supplier shares) \$21,100.

New Frontiers in Hematology and Flow Cytometry: Global Challenges, Emerging Technologies, Competitive Landscape is Venture Planning Groups new seven-country report designed to help current suppliers and potential market entrants identify and evaluate business opportunities emerging in the global hematology and flow cytometry markets during the next five years.

The report explores business and technological trends in the US, Europe (France, Germany, Italy, Spain, UK) and Japan; provides market share estimates, specimen, test and sales forecasts, and instrument placements; compares features of major analyzers; profiles leading competitors and emerging market entrants; and suggests specific product and marketing opportunities facing reagent and instrument suppliers.

## **Rationale**

During the next five years, 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, autocalibration and other advanced features. Presently tedious analyses of chromosomal abnormalities, DNA content, and lymphocyte subsets will become more automated and routine.

## **Geographic Coverage**

France, Germany, Italy, Japan, Spain, UK, USA

## **Worldwide Market Overview**

Facilities performing hematology and flow cytometry testing by country.

Test volume and sales projections by country.

## **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 for leading suppliers of hematology and flow cytometry products by country.

Specimen, test and sales forecasts for over 40 procedures by country, individual test and market segment:

Hospitals

Commercial/Private Laboratories

Ambulatory Care Centers

Physician Offices/Group Practices

## **Sales and Market Share Analysis**

Sales and market shares of major instrument and reagent suppliers.

## **Hematology Tests**

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**

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.

## **Current and Emerging Products**

Analysis of current and emerging hematology and flow cytometry assays.

Reagent and instrument sales forecasts by market segment.

Instrument placements and installed base by manufacturer and model.

Sales and market shares of reagent and instrument suppliers.

## **Instrumentation Review**

The study reviews current instrumentation technologies, and compares features of leading hematology, flow cytometry, platelet aggregation and sedimentation rate analyzers.

The report features analyzers manufactured by Abbott, Beckman

Coulter/Danaher, Becton Dickinson, Biocode Hycl, CellaVision, DIESSE VES Matic, Drew-Scientific, Horiba, Medica, Menarini, Nihon Kohden, Polymedco, Siemens and Sysmex.

## **Technology Review**

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

Comprehensive lists of companies developing or marketing new technologies and products by test.

## **Competitive Assessments**

Extensive strategic profiles of major suppliers and emerging market entrants.

## **The companies analyzed in the report include:**

Abbott

Agilent Technologies

Beckman Coulter/Danaher

Becton Dickinson

Bio-Rad

CellaVision

Horiba

Iris/Danaher

Nihon Kohden

Ortho-Clinical Diagnostics

Roche

Siemens

Sysmex

Contains 700 pages and 250 tables

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