

# **New Frontiers in Clinical Chemistry and Immunodiagnosics: Global Challenges, Emerging Technologies, Competitive Landscape**

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## **Abstracts**

Complete report \$34,500. DataPack (test volumes, sales forecasts, supplier shares) \$21,800.

New Frontiers in Clinical Chemistry and Immunodiagnosics: Global Challenges, Emerging Technologies, Competitive Landscape is Venture Planning Group's new seven-country strategic analysis of major business opportunities emerging in the global clinical chemistry and immunodiagnostic markets during the next five years. The report explores future trends in the U.S., five major European countries (France, Germany, Italy, Spain, UK) and Japan; provides estimates of the specimen, test and sales volumes, as well as major suppliers' sales and market shares; compares features of leading analyzers; profiles key competitors; and identifies specific product and marketing opportunities emerging during the next five years.

The report provides five-year volume and sales forecasts for over 100 clinical chemistry, TDM, endocrine, cancer, immunoprotein and abused drug assays performed in hospitals, commercial laboratories, physician offices, and ambulatory care centers, including controls, calibrators and consumables.

## **Rationale**

The clinical chemistry and immunodiagnostic markets are undergoing significant transformation, caused by convergence of new and more stringent regulations; advances in diagnostic technologies, system engineering, automation, and IT; and intensifying competition. Some segments, like routine chemistry, are already resembling commodity markets, where product positioning and cost per test are more critical than

underlying technology. This evolving marketplace creates exciting opportunities for a variety of new instruments, reagent systems, and auxiliary products, such as specimen preparation devices, controls, and calibrators.

## **Geographic Coverage**

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

## **Worldwide Market Overview**

Estimates of facilities performing clinical chemistry and immunodiagnostic tests 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**

Comprehensive review of the market dynamics, trends, structure, size, growth, and key suppliers, by country.

Test volume and sales forecasts for over 100 clinical chemistry, TDM, endocrine, cancer, immunoprotein and abused drug assays, by country and market segment:

Hospitals

Commercial/Private Laboratories

Physician Offices/Group Practices

## Ambulatory Care Centers

### Tests Analyzed in the Report

Routine Clinical Chemistry: Albumin, Alkaline Phosphatase, ALT/SGPT, Ammonia, Amylase, AST/SGOT, Bilirubin, Total, BUN (Blood Urea Nitrogen), Calcium, Cardio CRP, Carbon Dioxide/Bicarbonate, Chloride, Cholesterol, Creatine Kinase (CK), CK-MB, Creatinine, CRP, Ferritin, GGT, Glucose, HDL Cholesterol, Homocysteine, Iron, LDH, LDL Cholesterol, Magnesium, Phosphorus, Potassium, Protein, Total, Sodium, Triglycerides, Troponin, Uric Acid.

Therapeutic Drug Monitoring (TDM): Amikacin, Carbamazepine, Cyclosporin, Digoxin, Everolimus, Gentamicin, Levetiracetam, Lithium, Methotrexate, NAPA/Procainamide, Phenobarbital, Phenytoin, Quinidine, Sirolimus, Tacrolimus, Theophylline, Tobramycin, Topirimate, Valproic Acid, Vancomycin.

Endocrine Function: Cortisol, Estradiol, FSH, HCG, Gastrin, LH, Progesterone, PTH/IO PTH, Prolactin, T3, T3 Uptake, Free T3, T4, Free T4, TBG, Testosterone, Thyroglobulin Ab, TPO Ab, TSH.

Tumor Markers and Special Chemistry: AFP, CA 15-3/27-29, CA 19-9, CEA, Ferritin, Folate (Folic Acid), Glycosylated Hemoglobin, HCG, 25-Hydroxy Vitamin D2 and D3, Occult Blood, PAP, PSA, Thyroglobulin, Vitamin B-12.

Immunoproteins: C3, C4, Free Light Chains, Haptoglobin, IgA, IgE Specific, IgE Total, IgG, IgM, Immunofixation, Prealbumin, Protein Electrophoresis.

Drugs of Abuse: Amphetamines, Barbiturates, Benzodiazepines, Cannabinoids/Marijuana, Cocaine, LSD, Methadone, Methaqualone, Opiates, Phencyclidine (PCP), Propoxyphene, Tricyclic Antidepressants.

### Current and Emerging Products

Analysis of current and emerging clinical chemistry and immunodiagnostic tests.

Review of current instrumentation technologies, and feature comparison of high-, medium-, and low-volume/POC analyzers. 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**

Strategic assessments of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, collaborative arrangements and new products in R&D.

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

Abbott Laboratories

AdnaGen

Agilent Technologies

Beckman Coulter/Danaher

Biomedical Diagnostics

BioMerieux

Bio-Rad

DiaSorin

Eiken

Fujirebio/Innogenetics

Instrumentation Laboratory

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Japan, Hospital Laboratories, Profiles, Panels and Individual Tests Forecast

Japan, Commercial/Private Laboratories, Profiles, Panels and Individual Tests Forecast

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Japan, Hospital Laboratories, Routine Chemistry Test Volume Forecast by Assay

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Japan, Hospital Laboratories, Endocrine Function Test Volume Forecast by Assay

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Japan, Hospital Laboratories, Tumor Markers and Special Chemistry Test Volume Forecast by Assay

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Spain, Commercial/Private Laboratories, Routine Chemistry Test Volume Forecast by



## Assay

Spain, Ambulatory Care Centers, Routine Chemistry Test Volume Forecast by Assay

Spain, All Market Segments, Endocrine Function Test Volume Forecast by Assay

Spain, Hospital Laboratories, Endocrine Function Test Volume Forecast by Assay

Spain, Commercial/Private Laboratories, Endocrine Function Test Volume Forecast by Assay

Spain, Ambulatory Care Centers, Endocrine Function Test Volume Forecast by Assay

Spain, All Market Segments, Tumor Markers and Special Chemistry Test Volume Forecast by Assay

Spain, Hospital Laboratories, Tumor Markers and Special Chemistry Test Volume Forecast by Assay

Spain, Commercial/Private Laboratories, Tumor Markers and Special Chemistry Test Volume Forecast by Assay

Spain, Ambulatory Care Centers, Tumor Markers and Special Chemistry Test Volume Forecast by Assay

Spain, All Market Segments, Immunoprotein Test Volume Forecast by Assay

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Spain, Commercial/Private Laboratories, TDM Test Volume Forecast by Assay

Spain, Ambulatory Care Centers, TDM Test Volume Forecast by Assay

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Spain, Commercial/Private Laboratories, Drugs of Abuse Test Volume Forecast by Assay

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Spain, Clinical Chemistry and Immunoassay Calibrator and Control Market Forecast By Test Category

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Spain, TDM Reagent Market Forecast By Market Segment

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Spain, Commercial/Private Laboratories, Endocrine Function Reagent Market Forecast by Assay

Spain, Ambulatory Care Centers, Endocrine Function Reagent Market Forecast by Assay

Spain, All Market Segments, Tumor Markers and Special Chemistry Reagent Market Forecast by Assay

Spain, Hospital Laboratories, Tumor Markers and Special Chemistry Reagent Market Forecast by Assay

Spain, Commercial/Private Laboratories, Tumor Markers and Special Chemistry Reagent Market Forecast by Assay

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Spain, Commercial/Private Laboratories, TDM Reagent Market Forecast by Assay

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Spain, All Market Segments, Drugs of Abuse Reagent Market Forecast by Assay

Spain, Hospital Laboratories, Drugs of Abuse Reagent Market Forecast by Assay

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U.K., Commercial/Private Laboratories Performing Chemistry and Immunoassay Tests  
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U.K., Total Chemistry and Immunoassay Specimen Volume Forecast

U.K., All Market Segments, Specimen Volume Forecast By Test Category

U.K., Total Clinical Chemistry and Immunoassay Test Volume Forecast By Test  
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U.K., TDM Test Volume Forecast By Market Segment

U.K., Drugs of Abuse Test Volume Forecast By Market Segment

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U.K., Hospital Laboratories, Profiles, Panels and Individual Tests Forecast

U.K., Commercial/Private Laboratories, Profiles, Panels and Individual Tests Forecast

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U.K., Hospital Laboratories, Routine Chemistry Test Volume Forecast by Assay

U.K., Commercial/Private Laboratories, Routine Chemistry Test Volume Forecast by  
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U.K., All Market Segments, Endocrine Function Test Volume Forecast by Assay

U.K., Hospital Laboratories, Endocrine Function Test Volume Forecast by Assay

U.K., Commercial/Private Laboratories, Endocrine Function Test Volume Forecast by  
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U.K., All Market Segments, Tumor Markers and Special Chemistry Test Volume  
Forecast by Assay

U.K., Hospital Laboratories, Tumor Markers and Special Chemistry Test Volume  
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U.K., Commercial/Private Laboratories, Tumor Markers and Special Chemistry Test  
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U.K., All Market Segments, Immunoprotein Test Volume Forecast by Assay

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U.K., Clinical Chemistry and Immunoassay Instrument Market Forecast By Analyzer Type

U.K., Major Suppliers of Clinical Chemistry Diagnostic Products, Estimated Sales and Market Shares

U.K., Major Suppliers of Immunoassay Diagnostic Products, Estimated Sales and Market Shares

Executive Summary Table: U.S.A., Clinical Chemistry and Immunoassay Test Volume and Diagnostics Sales Forecast By Test Category

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U.S.A., Clinical Chemistry and Immunoassay Instrument Market Forecast By Analyzer Type



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