

# 2014 World In Vitro Diagnostics Industry: Market Shares and Country Forecasts for 400 Assays, 20 Market Segments and 14 Test Locations--Emerging Opportunities and Business Expansion Strategies for Suppliers

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# **Abstracts**

To prepare diagnostics industry executives for radically different operating climates and reduce surprises, Venture Planning Group has published a series of 10 global market research surveys, "2014 World In Vitro Diagnostics Industry:Market Shares and Country Forecasts." The series is designed to provide industry decision-makers with strategically significant competitor information, analyses and insight crucial to the development and implementation of effective business, marketing and R&D programs. The report examines future trends in the U.S., Europe and Asia; reviews over 400 current and emerging assays; analyzes potential applications of innovative technologies; provides supplier shares and sales forecasts by assay, method, market segment, and country; profiles leading players and potential market entrants; and suggests alternative market expansion strategies for instrument and reagent suppliers. The series is based on the following studies:

Future Scenarios of the In Vitro Diagnostics Market: Technological Breakthroughs, Economic Austerity, Business-as-Usual

2014 Opportunities in the Global Clinical Chemistry and Immunodiagnostics: Spot Fast-Growing Market Segments Therapeutic Drug Monitoring (TDM), Endocrine Function, Tumor Markers, Special Chemistry, Immunoproteins, Drugs of Abuse

2014 Analysis of the Global Molecular Diagnostics Market Integrating New



Technology Planning with Business and Corporate Strategies- Emerging Tests, Market Forecasts, Competitive Intelligence

2014 Automated Microbiology Market Molecular Diagnostics, Microbial Identification, Antibiotic Susceptibility, Blood Culture, Urine Screening, Immunodiagnostics

Infectious Disease Testing: A Rapidly Growing and Challenging Market Technological Breakthroughs, Emerging Tests, Market Forecasts, Competitive Intelligence

2014 Market Segmentation Analysis of the Global Cancer Diagnostics Industry: Oncogenes, Biochemical Markers, Lymphokines, GFs, CSFs, Hormones, Immunohistochemical Stains--Hospitals, Commercial Labs, POC Locations

2014 Analysis of the Global Hematology and Flow Cytometry Markets: France, Germany, Italy, Japan, Spain, UK, USA Sales Forecasts, Supplier Shares, Competitive Strategies

2014 Molecular Blood Typing, Grouping and Infectious Disease NAT Market: France, Germany, Italy, Japan, Spain, UK, US--Emerging Technologies, Sales Forecasts, Supplier Shares, Competitive Strategies

New Frontiers in Coagulation Testing: Global Challenges, Emerging Technologies, Competitive Landscape

2014 Analysis of the Global Point-of-Care Diagnostic Testing Market Country Segment Forecasts, Market Shares, Emerging Technologies, Competitive Strategies, Growth Opportunities

# **Report Highlights**

Worldwide Market Overview

Facilities performing diagnostic tests by country.

Test volume and sales projections by country.



# 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 400 diagnostic procedures.

Market segments analyzed in the report include:

# **Clinical Chemistry**

Immunodignostics		
TDM		
Endocrine Function		
Special Chemistry		
Immunoproteins		

Molecular Diagnostics

Infectious Diseases

Drugs of Abuse

Cancer

**Genetic Testing** 

Forensic Testing

Paternity Testing/HLA Typing

Microbiology

Microbial Identification



Antibiotic Susceptibility

**Urine Screening** 

**Blood Culture** 

Cancer Diagnostic

Hematology

Flow Cytometry

Blood Typing, Grouping, and Screening

Coagulation Testing

**Centralized Testing Locations** 

Hospitals

Commercial/Private Laboratories

**Public Health Laboratories** 

**Blood Banks** 

POC/Decentralized Testing Locations

Home/Personal Testing

Physician Offices/Group Practices

**Emergency Rooms** 

Operating/Recovery Suites

ICUs/CCUs



Cancer Clinics

**Ambulatory Care Centers** 

**Surgery Centers** 

**Nursing Homes** 

Birth Centers

# **Emerging Tests and Instrumentation**

Analysis of current and emerging tests.

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

# **Technology Review**

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

Worldwide listings of companies developing or marketing new technologies and products by test.

#### Strategic Recommendations

New product development opportunities with significant market appeal.

Alternative market penetration strategies.

Potential market entry barriers and risks.

#### **Competitive Assessments**



Strategic assessments of major diagnostic product manufactures 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 ADI/America Diagnostica AdnaGen Affymetrix Agilent Technologies Applied Gene Technologies Arca/Nuvelo Axis-Shield Alere/Biosite/Inverness **Bayer Healthcare** Beckman Coulter/Danaher Becton Dickinson Bio/Data **Biokit** 

Bio-Rad

**Biomerieux** 

**Biomedical Diagnostics** 



Biotest	
Caliper	
Cellavision	
Cephid	
Chrono-Log	
Corgenix Medical	
Correlogic Systems/Vermillion	
Decode	
Diadexus	
Diagast	
Diagnocure	
Diagnostica Stago	
Diamedix	
Diasorin	
Eiken Chemical	
EKF Diagnostics	
Enzo Biochem	
Enterix	
Epigenomics	



Exact Sciences
Fujirebio/Innogenetics
Gen-Probe/Hologic
Grifols/Novartis
Guided Therapeutics
Helena Laboratories
Horiba
Hyphen BioMed
ID Biomedical/GSK
Illumina
Immucor
International Technidyne/Nexus DX
Instrumentation Laboratory
Iris/Danaher
Kreatech
Kyowa Medex
Li-Cor Biosciences
Lonza
Mackay Life Sciences

Matritech/Alere



Monogram Biosciences
Myriad Genetics
Nanogen/Elitech
Nihon Kohden
OncoLab
Orchid CellMark
Ortho-Clinical Diagnostics
Panacea Pharmaceuticals
Polartechnics
Polymedco
PreMD
Proteome Sciences
Qiagen/Ipsogen
Quest Diagnostics
Quidel
Radiant Pharmaceuticals
Roche
Scienion
SDIX



Sequenom
SeraCare
Shimadzu
Siemens
Sienco
Sierra Molecular
Sysmex
Takara Bio
Targeted Diagnostics & Therapeutics
Tecan Group
Thermo Fisher/Life Technologies
Tosoh
Trinity Biotech
Veridex
Wako
Wallac/PE
Zycare/Alere
Zyla

# Methodology



The report is based on a combination of primary and secondary information sources, including questionnaire responses, as well as interviews with laboratory directors and executives of leading diagnostic companies and start-up firms developing innovative technologies and products in the U.S., Europe and Asia. In addition to primary sources of information, a comprehensive review of Venture Planning Groups proprietary database, and the most recent technical, business, manufacturer, and financial publications was conducted.

Contains approximately 9,700 pages and 3,200 tables



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**Abbott Laboratories** 

AdnaGen

Agilent Technologies

Beckman Coulter/Danaher

**Biomedical Diagnostics** 

BioMerieux

Bio-Rad

DiaSorin

Eiken

Fujirebio/Innogenetics

Grifols

Instrumentation Laboratory

Kyowa Medex

Matritech/Alere

Ortho-Clinical Diagnostics

**Quest Diagnostics** 

Roche

Siemens

Sysmex

Thermo Fisher/Life Technology

Tosoh

Wako

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#### Abbott

Affymetrix



**Agilent Technologies** 

Applied Gene Technologies

Arca/Nuvelo

Beckman Coulter/Danaher

**Becton Dickinson** 

**Biokit** 

BioMerieux

Bio-Rad

**Biotest** 

Caliper

Cepheid

Decode

Diadexus

Eiken

Enzo

**Exact Sciences** 

Fujirebio/Innogenetics

Grifols

Hologic/Gen-Probe

Illumina

Kreatech

Li-Cor Biosciences

Life Technologies/Thermo Fisher

Monogram Biosciences

Myriad Genetics

Nanogen/Elitech

Orchid CellMark

Ortho-Clinical Diagnostics

**Proteome Sciences** 

Qiagen

Roche

ScienionSequenom

Shimadzu

Siemens

Sierra Molecular

Takara Bio

**Tecan Group** 

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bioMerieux

Bio-Rad
Biotest
Caliper
Cepheid
Decode
Diadexus
Diamedix
DiaSorin
Eiken ChemicalEnzo Biochem
Exact Sciences
Fujirebio/Innogenetics
Hologic/Gen-Probe
Illumina
ID Biomedical/GSK
Kreatech
Li-Cor Biosciences
Lonza
Monogram Biosciences
Myriad Genetics
Nanogen/Elitech
Novartis Diagnostics/Grifols
Orchid CellMark
Ortho-Clinical Diagnostics
Proteome Sciences
Qiagen
Roche
Scienion
Sequenom
SeraCare
Siemens
Sierra Molecular
Shimadzu
Takara Bio
Tecan
Thermo Fisher/Life Technologies
Wallac/PE
\\/alca

Wako



Infectious Disease Testing: A Rapidly Growing and Challenging Market Facing Suppliers Technological Breakthroughs, Emerging Tests, Market Forecasts, Competitive Intelligence

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#### Shares by Test

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Becton DickinsonbioMerieux

Bio-Rad

Cepheid

Diamedix

DiaSorin

Eiken Chemical

Enzo Biochem

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Hologic/Gen-Probe

ID Biomedical/GSK

Kreatech

Lonza

Nanogen/Elitech

**Novartis Diagnostics** 

Ortho-Clinical Diagnostics

Qiagen

Roche

Scienion

Sequenom

SeraCare

Siemens

Takara Bio

Thermo Fisher/Life Technologies

Wallac/PE

Wako

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Agilent Technologies

Applied Gene Technologies

Arca/Nuvelo

Beckman Coulter/Danaher

**Becton Dickinson** 

**Biomedical Diagnostics** 

bioMerieux

Bio-Rad

CellSearch

Cepheid

Correlogic Systems/Vermillion

Decode

Diadexus

Diagnocure

Diasorin



Eiken Chemical

**Epigenomics** 

Enterix

Enzo Biochem

**Exact Sciences** 

Fujirebio/Innogenetics

**Guided Therapeutics** 

Hologic/Gen-Probe

Kreatech

Kyowa Medex

Mackay Life Sciences

Myriad Genetics

Nanogen Elitech

OncoLab

**Ortho-Clinical Diagnostics** 

Panacea Pharmaceuticals

Polartechnics

Polymedco

PreMD

Qiagen/Ipsogen

**Quest Diagnostics** 

Radient Pharmaceuticals

Roche

Scienion

Sequenom

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Takara Bio

**Targeted Diagnostics & Therapeutics** 

Thermo Fisher/Life Technologies

Tosoh

Veridex

Wako Pure Chemicals

Wallac/PE

Zila

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- D. Market Size, Growth and Major Suppliers' Instrument Placements, Installed Base, Sales and Market Shares

# VII. Spain

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Suppliers' Instrument Placements, Installed Base, Sales and Market Shares

#### VIII. U.K.

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Suppliers' Instrument Placements, Installed Base, Sales and Market Shares

#### IX. U.S.

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Suppliers' Instrument Placements, Installed Base,



#### Sales and Market Shares

- X. Major Product Development Opportunities
- **XI. Design Criteria for Decentralized Testing Products**
- XII. Alternative Market Penetration Strategies
- XIII. Potential Market Entry Barriers and Risks

#### **XIV. COMPETITIVE ASSESSMENTS**

Abbott

Agilent Technologies

Beckman Coulter/Danaher

**Becton Dickinson** 

Bio-Rad

CellaVision

Horiba

Iris

Nihon Kohden

Ortho-Clinical Diagnostics

Roche

Siemens

Sysmex

#### XV. Appendix

2014 Molecular Blood Typing, Grouping and Infectious Disease NAT Market: France, Germany, Italy, Japan, Spain, UK, USA-Emerging Technologies, Sales Forecasts, Supplier Shares, Competitive Strategies

#### I. Introduction

#### II. Worldwide Technology and Market Overview

- A. Major Blood Typing, Grouping and Infectious Disease Screening Tests
  - a. Blood Typing and Grouping Tests
  - b. Blood Group Genotyping



- c. Infectious Disease Screening Tests
- d. Pathogen Reduction
- e. Leukocyte Reduction
- B. Instrumentation Review: Operating Characteristics, Features and Selling Prices of Leading Automated And Semiautomated Analyzers
- C. Major in Vitro Diagnostic Technologies And Their Potential Applications
- D. Worldwide Market Overview
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  - 3. MARKET SIZE AND GROWTH

#### III. France

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Supplier Sales and Market Shares for Blood Typing, Grouping and Infectious Disease Screening Tests

#### IV. Germany

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Supplier Sales and Market Shares for Blood Typing, Grouping and Infectious Disease Screening Tests

#### V. Italy

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Supplier Sales and Market Shares for Blood Typing, Grouping and Infectious Disease Screening Tests

#### VI. Japan

- A. Executive Summary
- **B.** Business Environment



- C. Market Structure
- D. Market Size, Growth and Major Supplier Sales and Market Shares for Blood Typing, Grouping and Infectious Disease Screening Tests

# VII. Spain

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Supplier Sales and Market Shares for Blood Typing, Grouping and Infectious Disease Screening Tests

#### VIII. U.K.

- A. Executive Summary
- **B.** Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Supplier Sales and Market Shares for Blood Typing, Grouping

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- A. Executive Summary
- B. Business Environment
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- X. Major Product Development Opportunities
- **XI. Alternative Market Penetration Strategies**
- XII. Potential Market Entry Barriers and Risks

#### XIII. COMPETITIVE ASSESSMENTS

Abbott
Beckman Coulter/Danaher
Becton Dickinson



BioMerieux

Bio-Rad

Diagast

DiaSorin

Fujirebio/Innogenetics

Grifols/Novartis

Hologic/Gen-Probe

Immucor

Orchid CellMark

Ortho-Clinical Diagnostic

**Proteome Sciences** 

Quest

Quidel

Roche

Siemens

Tecan

Thermo Fisher/Life Technologies

# New Frontiers in Coagulation Testing: Global Challenges, Emerging Technologies, Competitive Landscape

#### I. Introduction

# II. Worldwide Market and Technology Overview

- A. Major Routine and Special Coagulation Tests
- B. Instrumentation Review
- C. Major in Vitro Diagnostic Technologies and Their Potential Applications
- D. Worldwide Market Overview
  - 1. BUSINESS ENVIRONMENT
  - 2. MARKET STRUCTURE
  - 3. MARKET SIZE AND GROWTH
  - 4. POC TESTING MARKET

#### III. France

- A. Executive Summary
- B. Business Environment



- C. Market Structure
- D. Market Size, Growth and Major Instrument And Reagent Suppliers' Sales and Market Shares

# IV. Germany

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Instrument And Reagent Suppliers' Sales and Market Shares

#### V. Italy

- A. Executive Summary
- **B.** Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Instrument And Reagent Suppliers' Sales and Market Shares

#### VI. Japan

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Instrument And Reagent Suppliers' Sales and Market Shares

#### VII. Spain

- A. Executive Summary
- B. Business Environment
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- D. Market Size, Growth and Major Instrument And Reagent Suppliers' Sales and Market Shares

#### VIII. UK

# A. Executive Summary



- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Instrument And Reagent Suppliers' Sales and Market Shares

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- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth And Major Instrument And Reagent Suppliers' Sales and Market Shares
- X. Major Product Development Opportunities
- XI. Design Criteria For Decentralized Testing Products
- XII. Alternative Market Penetration Strategies
- XIII. Potential Market Entry Barriers and Risks

#### **XIV. COMPETITIVE ASSESSMENTS**

**Abbott** 

ADI/American Diagnostic

Axis-Shield

Alere/Biosite/Inverness Beckman Coulter/Danaher

Becton Dickinson

Bio/Data

Chrono-Log

Corgenix Medical

Diagnostica Stago/Trinity Biotech

Grifols

Helena Laboratories

**HYPEN BioMed** 

Instrumentation Laboratory

ITC/Nexus Dx

Roche

Siemens



Sienco

Sysmex

Thermo Fischer/Life Technologies

ZyCare/Alere

# 2014 Analysis of the Global Point-of-Care Diagnostic Testing Market: Country Challenges, Emerging Technologies, Competitive Landscape

#### I. Introduction

#### **II. Executive Summary**

A. Rationale for Testing Decentralization

# III. Worldwide Market and Technology Overview

- B. Major Routine Chemistry Tests
- C. Infectious Disease Tests
- D. Tumor Markers
- E. Major Routine and Special Hematology Tests
- F. Endocrine Function Tests
- G. Therapeutic Drug Monitoring (TDM)
- H. Coagulation Tests
- I. Immunoprotein Tests
- J. Drugs of Abuse
- K. Instrumentation
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- L. Current and Emerging Technologies
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- A. Market Overview
- B. Personal Testing
  - 1. GLUCOSE MONITORING
    MARKET AND TECHNOLOGY OVERVIEW
    Invasive Testing



#### Non-Invasive Testing

# Genetic Testing

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- 3. OCCULT BLOOD TESTS
- 4. MARKET SIZE AND GROWTH
- C. Physician Offices/Group Practices
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  - 2. MARKET STRUCTURE
  - 3. TEST VOLUME AND SALES FORECASTS
- D. Ancillary Hospital Locations
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    - b. Operating Suites
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  - 2. EMERGENCY DEPARTMENTS
    - a. Market Summary
    - b. Test Volume and Sales Forecasts
  - 3. OPERATING AND RECOVERY SUITES
    - a. Market Summary
    - b. Test Volume and Sales Forecasts
  - 4. ICUS/CCUS
    - a. Market Summary
    - b. Test Volume and Sales Forecasts
- E. Cancer Clinics
  - 1. INTRODUCTION
  - 2. MARKET SUMMARY
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- F. Ambulatory Care Centers
  - 1. INTRODUCTION
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  - 4. TEST VOLUME AND SALES FORECASTS
- G. Surgery Centers
  - 1. INTRODUCTION
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  - 3. MARKET STRUCTURE
  - 4. TEST VOLUME AND SALES FORECASTS
- H. Nursing Homes
  - 1. INTRODUCTION



- 2. MARKET SUMMARY
- 3. MARKET STRUCTURE
- 4. TEST VOLUME AND SALES FORECASTS
- I. BIRTH CENTERS
  - 1. INTRODUCTION
  - 2. MARKET SUMMARY
  - 3. MARKET STRUCTURE
- 4. TEST VOLUME AND SALES FORECASTS
- J. Major Supplier Instrument Placements, Installed Base, Consumables Sales and Market Shares

#### V. Germany

- A. Market Overview
- B. Market Structure
- C. Market Summary
- D. Test Volume and Sales Forecasts
- E. Major Suppliers' Instrument Placements, Installed Base, Consumables Sales and Market Shares

#### VI. Spain

- A. Business Environment
- B. Market Structure
- C. Market Summary
- D. Test Volume and Sales Forecasts
- E. Major Suppliers' Instrument Placements, Installed Base, Consumables Sales and Market Shares
- **VII. Major Product Development Opportunities**
- **VIII. Design Criteria for Decentralized Testing Products**
- IX. Alternative Market Penetration Strategies
- X. Potential Market Entry Barriers and Risks
- **XI. Company Profiles**



Abbott

ADI/America Diagnostica

**Agilent Technologies** 

Axis-Shield

Beckman Coulter/Danaher

**Becton Dickinson** 

Bio/Data

Biomerieux

Bio-RadBiosite/Inverness/Alere

Cepheid

Chrono-Log

Corgenix

Decode

Diadexus

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Diagnostica Stago/Trinity Biotech

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Diasorin

Eiken Chemical

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