

2016-2020 New Frontiers in the Point-of-Care/POC Clinical Chemistry and Immunodiagnostic Testing Market: Business Challenges, Emerging Technologies, Competitive Landscape

<https://marketpublishers.com/r/2980E70E5DEEN.html>

Date: March 2016

Pages: 500

Price: US\$ 6,800.00 (Single User License)

ID: 2980E70E5DEEN

Abstracts

VPGMarketResearchs new report provides comprehensive analysis of the POC clinical chemistry markets, including their dynamics, size, growth, regulatory requirements, technological trends, competitive landscape, and emerging opportunities for instrument and consumable suppliers.

Rationale

The growing economic pressures on hospitals, coupled with advances in diagnostic technologies, intensifying competition among suppliers and physicians, and changing consumer demands are shifting diagnostic testing from hospitals and commercial laboratories closer to the patient.

Market Segmentation

Review of the POC clinical chemistry and immunodiagnostic market segments, including their dynamics, trends, structure, size, growth and major suppliers.

Five-year test volume and reagent sales forecasts clinical chemistry procedures by market segment:

Physician Offices/Group Practices

Emergency Rooms

Operating/Recovery Suites

ICUs/CCUs

Cancer Clinics

Ambulatory Care Centers

Surgery Centers

Nursing Homes

Birth Centers

Sales and Market Share Analysis

Sales and market shares of major reagent and instrument suppliers.

Routine Clinical Chemistry Tests

Albumin, Alkaline Phosphatase, ALT/SGPT, Ammonia, Amylase, AST/SGOT, Bilirubin, Blood Gases, BUN (Blood Urea Nitrogen), Calcium, Cholesterol, Cholinesterase, Creatinine, CK-MB, Electrolytes (Carbon Dioxide/Bicarbonate, Chloride, Potassium, Sodium), Ferritin, Folate/Folic Acid, Fructosamine, GGT, Glucose, HDL, Iron, LDH, Magnesium, Phosphorus, Potassium, Protein, Sodium, Triglycerides, Troponin, Uric Acid, Urinalysis, Vitamin B12.

Endocrine Function Tests

Cortisol, Estradiol, FSH, HCG, Gastrin, LH, Progesterone, PTH/IO PTH, Prolactin, T3, T3 Uptake, Free T3, T4, Free T4, TBG, Testosterone, TSH.

Therapeutic Drug Monitoring (TDM) Tests

Amikacin, Carbamazepine, Digoxin, Gentamicin, Lidocaine, Lithium, Methotrexate, Phenobarbital, Phenytoin/Dilatin, NAPA/Procainamide, Quinidine, Theophylline,

Tobramycin, Valproic Acid, Vancomycin.

Immunoprotein Tests

C3, C4, CRP, IgA, IgE Specific, IgE Total, IgG, Immunoglobulins, Protein Electrophoresis, and others.

Drugs of Abuse

Amphetamines, Barbiturates, Benzodiazepines, Cannabinoids/Marijuana, Cocaine, LSD, Methadone, Methaqualone, Opiates, Phencyclidine, Propoxyphene, and others.

Technology Review

Emerging technologies and their applications for POC testing.

Comprehensive listings of companies developing or marketing POC diagnostic technologies, and products, by test.

Strategic Recommendations

Specific opportunities for new POC instruments and reagent systems with potentially significant market appeal during the next five years.

Design criteria for POC testing products.

Alternative business expansion strategies.

Potential market entry barriers and risks.

Competitive Assessments

Assessments of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, joint ventures, and new products in R&D.

The companies analyzed in the report include:

Abbott

ADI/American Diagnostica

Agilent Technologies

Alere/Biosite/Inverness

Axis-Shield

Beckman Coulter/Danaher

Becton Dickinson

Bio/Data

Biomerieux

Bio-Rad

Cepheid

Chrono-Log

Corgenix

Decode Genetics

Diadexus

Diagnocure

Diagnostica Stago/Trinity Biotech

Diamedix/Erba

Diasorin

Eiken Chemical

EKF Diagnostics

Fujirebio

Grifols

Helena Laboratories

Hologic/Gen-Probe

Horiba

Instrumentation Laboratory

International Technidyne/Nexus DX

Kreatech/Leica

Kyowa Medex

Lonza

Mackay Life Sciences

Matritech

Nihon Kohden

Ortho-Clinical Diagnostics

Polartechnics

Polymedco

Qiagen

Roche

SDIX

Sequenom

Siemens

Sienco

Sysmex

Takara Bio

ThermoFisher

Tosoh

Wako

Zycare/Alere

Methodology

This report is based on a combination of primary and secondary sources of information, including review of recent technical and business publications, manufacturer product literature, industry analyst reports, and VPGMarketResearchs proprietary data files. Contains 500 pages and 129 tables

Contents

INTRODUCTION

EXECUTIVE SUMMARY

RATIONALE FOR TESTING DECENTRALIZATION

1. Overview
2. Regulatory Trends
3. Economic Trends
4. Demographic Trends
5. Technological Trends
6. Social Trends
7. Quality of Care
8. Defensive Medicine
9. Quality Control Issues

REVIEW OF CLINICAL CHEMISTRY IMMUNODIAGNOSTIC TESTS

1. Albumin
2. Alkaline Phosphatase
3. ALT/SGPT
4. Ammonia
5. Amylase
6. AST/SGOT
7. Bilirubin
8. Blood Gases
9. Blood Urea Nitrogen (BUN)
10. Calcium
11. Cholesterol
12. Cholinesterase
13. Creatinine
14. Electrolytes
 - a. Carbon Dioxide/Bicarbonate
 - b. Chloride
 - c. Potassium
 - d. Sodium
15. Ferritin

16. Folate/Folic Acid
17. Fructosamine
18. Gamma-Glutamyl Transpeptidase (GGT)
19. Glucose
20. High Density Lipoprotein (HDL)
21. Iron
22. Lactate Dehydrogenase (LDH)
23. Magnesium
24. Phosphorus
25. Protein
26. Triglycerides
27. Troponin
28. Uric Acid
29. Urinalysis
30. Vitamin B12

ENDOCRINE FUNCTION TESTS

1. Cortisol
2. Follicle-Stimulating Hormone (FSH)
3. Gastrin
4. Human Chorionic Gonadotropin (HCG)
5. LH
6. Prolactin
7. T3
8. T3 Uptake
9. Free T3
10. Thyroxine (T4)
11. Free T4
12. TBG
13. TSH

THERAPEUTIC DRUG MONITORING (TDM)

1. Overview
2. Carbamazepine
3. Digoxin
4. Gentamicin
5. Lidocaine

6. Lithium
7. Phenytoin/Dilantin
8. Procainamide
9. Quinidine
10. Theophylline
11. Valproic Acid

IMMUNOPROTEIN TESTS

1. CRP
2. Immunoglobulins

DRUGS OF ABUSE

1. Overview
2. Test Methodologies
3. Amphetamines
4. Barbiturates
5. Benzodiazepines
6. Cannabinoids/Marijuana
7. Cocaine
8. Lysergic Acid Diethylamide (LSD)
9. Methadone
10. Methaqualone
11. Opiates
12. Phencyclidine

INSTRUMENTATION: CHEMISTRY IMMUNODIAGNOSTIC ANALYZERS MANUFACTURED BY:

Abaxis
Abbott
Alfa Wassermann
Awareness Technologies
Beckman Coulter/Danaher
bioMeriuex
Carolina Chemistries
Horiba
Inverness

Medica
Nova Biomedical
Ortho-Clinical Diagnostics
Polimedco
Randox
Roche

CURRENT AND EMERGING TECHNOLOGIES

1. Monoclonal Antibodies
2. Immunoassays
 - a. Technological Principle
 - b. Enzyme Immunoassays (EIA)
 - Overview
 - ELISA
 - Dot Immunobinding Assays
 - Capillary Immunoassays
 - Particle-Membrane Capture Immunoassay
 - Enzyme Amplification
 - c. Fluorescent Immunoassays
 - Fluorescent Polarization
 - Time-Resolved Pulse Fluorescence
 - d. Luminescence
 - Chemiluminescence
 - Bioluminescence
 - e. Latex Agglutination
 - f. Immunoprecipitation
3. Dry Chemistry
4. Biosensors
5. IT and Automation
6. Molecular Diagnostics
 - a. Technology Overview
 - b. Amplification Methods
 - Polymerase Chain Reaction
 - Ligase Chain Reaction
 - Branched DNA
 - Q-Beta Replicase
 - Strand Displacement Activation
 - Self-Sustained Sequence Replicase

U.S.A.**A. Market Overview**

1. Business Environment
 - a. Health Care Expenditures
 - b. Cost Consciousness
 - c. Reimbursement
 - d. Industry Consolidation
 - e. Managed Care
 - PPO
 - HMO
 - f. Hospitals
 - g. Admissions
 - h. Length of Stay
 - i. Industry Diversification
 - j. Physician Demographics
 - k. Aging Population
 - More Chronic Illness
 - Disease Incidence
 - Susceptibility to iatrogenesis
 - Multiple Illnesses Cases
 - l. Laboratory Regulations

2. Market Structure

- a. Hospitals
- b. Commercial/Private Laboratories

B. Physician Offices/Group Practices

1. Market Summary
2. Market Structure
3. Test Volume and Sales Forecasts

C. Ancillary Hospital Locations

1. Introduction
 - a. Emergency Departments
 - b. Operating Suites
 - c. Intensive Care Units
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
- D. Cancer Clinics
 - 1. Introduction
 - 2. Market Summary
 - 3. Test Volume and Sales Forecasts
- E. Ambulatory Care Centers
 - 1. Introduction
 - 2. Market Summary
 - 3. Market Structure
 - 4. Test Volume and Sales Forecasts
- F. Surgery Centers
 - 1. Introduction
 - 2. Market Summary
 - 3. Market Structure
 - 4. Test Volume and Sales Forecasts
- G. Nursing Homes
 - 1. Introduction
 - 2. Market Summary
 - 3. Market Structure
 - 4. Test Volume and Sales Forecasts
- H. Birth Centers
 - 1. Introduction
 - 2. Market Summary
 - 3. Market Structure
 - 4. Test Volume and Sales Forecasts
- I. Major Suppliers' Sales and Market Shares

GERMANY

- A. Market Overview
- B. Market Structure
- C. Market Summary
- D. Test Volume and Sales Forecasts
- E. Major Suppliers' Sales and Market Shares

SPAIN

- A. Business Environment
- B. Market Structure
- C. Market Summary
- D. Test Volume and Sales Forecasts
- E. Major Suppliers' Sales and Market Shares

MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

- A. Routine and Special Chemistry
- B. Microbiology/Infectious Diseases
- C. Hematology and Flow Cytometry
- D. Coagulation

DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

ALTERNATIVE MARKET PENETRATION STRATEGIES

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies for Decentralized Testing Markets
 - 1. Marketing Approaches
 - 2. Product complexity
 - 3. Customer Preference
 - 4. Established Suppliers
 - 5. Emerging Suppliers
 - 6. Major Types of Distributors
 - 7. Market Segmentation

POTENTIAL MARKET ENTRY BARRIERS AND RISKS

- A. Market Maturity
- B. Cost Containment
- C. Competition
- D. Technological Edge and Limitations
- E. Patent Protection
- F. Regulatory Constraints

G. Decentralized Testing Market Challenges

COMPANY PROFILE

Abbott Laboratories
AdnaGen
Agilent Technologies
Beckman Coulter/Danaher
Biomedical Diagnostics
BioMerieux
Bio-Rad
DiaSorin
Eiken
Fujirebio
Grifols
Instrumentation Laboratory
Kyowa Medex
Matriech/Alere
Ortho-Clinical Diagnostics
Quest Diagnostics
Roche
Siemens
Sysmex
Thermo Fisher
Tosoh
Wako
Wallac/PE

List Of Tables

LIST OF TABLES

Major Companies Developing or Marketing Albumin Tests
Major Companies Developing or Marketing Alkaline Phosphatase Tests
Major Companies Developing or Marketing ALT/SGPT Tests
Major Companies Developing or Marketing Amylase Tests
Major Companies Developing or Marketing AST/SGOT Tests
Major Companies Developing or Marketing Bilirubin Tests
Major Companies Developing or Marketing Blood Gas Analyzers
Major Companies Developing or Marketing BUN Tests
Major Companies Developing or Marketing Calcium Tests
Major Companies Developing or Marketing Cholesterol Tests
Major Companies Developing or Marketing Creatinine Tests
Major Companies Developing or Marketing Electrolyte Tests
Major Companies Developing or Marketing Ferritin Tests
Major Companies Developing or Marketing GGT Tests
Major Companies Developing or Marketing Glucose Tests
Major Companies Developing or Marketing HDL Tests
Major Companies Developing or Marketing Iron Tests
Major Companies Developing or Marketing LDH Tests
Major Companies Developing or Marketing Magnesium Tests
Major Companies Developing or Marketing Phosphorus Tests
Major Companies Developing or Marketing Protein Tests
Major Companies Developing or Marketing Triglycerides Tests
Major Companies Developing or Marketing Uric Acid Tests
Major Companies Developing or Marketing Vitamin B-12/Folate Tests
Major Companies Developing or Marketing FSH Tests
Major Companies Developing or Marketing HCG Tests
Major Companies Developing or Marketing LH Tests
Major Companies Developing or Marketing Prolactin Tests
Major Companies Developing or Marketing T3 Tests
Major Companies Developing or Marketing T4 Tests
Major Companies Developing or Marketing TSH Tests
Major Companies Developing or Marketing TDM Tests
Major Companies Developing or Marketing Digoxin Tests
Major Companies Developing or Marketing Lithium Tests
Major Companies Developing or Marketing Phenytoin/Dilantin Tests

Major Companies Developing or Marketing Theophylline Tests
Major Companies Developing or Marketing Valproic Acid Tests
Major Companies Developing or Marketing Drugs of Abuse Tests
U.S.A., Office-Based Physicians Forecast by Practice Type
U.S.A., Physician Offices/Group Practices Forecast by Type
U.S.A., Physician Office/Group Practice Laboratories Forecast by Practice Size
U.S.A., Physician Offices/Group Practices Routine and Special Chemistry Test Volume Forecast
U.S.A., Physician Offices/Group Practices TDM Test Volume Forecast
U.S.A., Physician Offices/Group Practices Endocrine Function Test Volume Forecast
U.S.A., Physician Offices/Group Practices Major Tumor Marker Test Volume Forecast
U.S.A., Physician Offices/Group Practices Immunoprotien Test Volume Forecast
U.S.A., Physician Offices/Group Practices Drugs of Abuse Test Volume Forecast
U.S.A., Physician Offices/Group Practices Routine and Special Chemistry Test Volume Forecast by Practice Type
U.S.A., Physician Offices/Group Practices TDM Test Volume Forecast by Practice Type
U.S.A., Physician Offices/Group Practices Endocrine Function Test Volume Forecast by Practice Type
U.S.A., Physician Offices/Group Practices Tumor Markers Test Volume Forecast by Practice Type
U.S.A., Physician Offices/Group Practices Immunoprotein Test Volume Forecast by Practice Type
U.S.A., Physician Offices/Group Practices Drugs of Abuse Test Volume Forecast by Practice Type
U.S.A., Physician Offices/Group Practices Routine and Special Chemistry Reagent Market Forecast by Test
U.S.A., Physician Offices/Group Practices TDM Reagent Market Forecast by Test
U.S.A., Physician Offices/Group Practices Endocrine Function Reagent Market Forecast by Test
U.S.A., Physician Offices/Group Practices Major Tumor Marker Reagent Market Forecast by Test
U.S.A., Physician Offices/Group Practices Immunoprotein Reagent Market Forecast by Test
U.S.A., Physician Offices/Group Practices Drugs of Abuse Reagent Market Forecast by Test
U.S.A., Ancillary Hospital Locations Estimated Number
U.S.A., Ancillary Hospital Locations Annual Utilization
U.S.A., Hospital Emergency Departments Routine and Special Chemistry Test Volume Forecast

U.S.A., Hospital Emergency Departments Profiles, Panels and Individual Tests
U.S.A., Hospital Emergency Departments Drugs of Abuse Test Volume Forecast
U.S.A., Hospital Emergency Departments Routine and Special Chemistry Reagent Market Forecast by Test
U.S.A., Hospital Emergency Departments Drugs of Abuse Reagent Market Forecast by Test
U.S.A., Hospital Operating and Recovery Suites Routine and Special Chemistry Reagent Test Volume Forecast
U.S.A., Hospital Operating and Recovery Suites Routine and Special Chemistry Reagent Market Forecast by Test
U.S.A., Hospital ICUs/CCUs Total Diagnostics Sales Forecast by Market Segment
U.S.A., Hospital ICUs/CCUs Reagent Sales Forecast by Market Segment
U.S.A., Hospital ICUs/CCUs Instrument Sales Forecast by Market Segment
U.S.A., Hospital ICUs/CCUs Routine and Special Chemistry Test Volume Forecast
U.S.A., Hospital ICUs/CCUs Routine and Special Chemistry Reagent Market Forecast by Test
U.S.A., Cancer Clinics Routine And Special Chemistry Test Volume Forecast
U.S.A., Cancer Clinics Endocrine Function Test Volume Forecast
U.S.A., Cancer Clinics Routine and Special Chemistry Reagent Market Forecast by Test
U.S.A., Cancer Clinics Endocrine Function Reagent Market Forecast
U.S.A., Ambulatory Care Centers Estimated Number of Facilities and Patient Visits
U.S.A., Ambulatory Care Centers Most Frequent Diagnoses
U.S.A., Ambulatory Care Centers Routine and Special Chemistry Test Volume Forecast
U.S.A., Ambulatory Care Centers Drugs of Abuse Test Volume Forecast
U.S.A., Ambulatory Care Centers Routine and Special Chemistry Reagent Market Forecast by Test
U.S.A., Ambulatory Care Centers Drugs of Abuse Reagent Market Forecast by Test
U.S.A., Surgery Centers Most Frequently Performed Procedures
U.S.A., Surgery Centers Routine and Special Chemistry Test Volume Forecast
U.S.A., Surgery Centers Routine and Special Chemistry Reagent Market Forecast by Test
U.S.A., Nursing Homes Estimated Number of Facilities, Beds and Occupancy Rate
U.S.A., Nursing Homes Routine and Special Chemistry Test Volume Forecast
U.S.A., Nursing Homes Routine and Special Chemistry Reagent Market Forecast by Test
U.S.A., Birth Centers Facilities, Patient Visits, and Births
U.S.A., Birth Centers Routine and Special Chemistry Test Volume Forecast
U.S.A., Birth Centers Profiles, Panels and Individual Tests

U.S.A., Birth Centers Routine and Special Chemistry Reagent Market Forecast by Test
U.S.A., Major Suppliers of Clinical Chemistry Diagnostics Products, Estimated Sales and Market Shares

U.S.A., Major Suppliers of Clinical Chemistry Reagents, Estimated Market Shares

U.S.A., Major Suppliers of Clinical Chemistry Analyzers, Estimated Market Shares

U.S.A., Major Suppliers of Immunodiagnostic Products, Estimated Market Shares

U.S.A., Major Suppliers of Immunoassay Reagents, Estimated Market Shares

U.S.A., Major Suppliers of Immunoassay Analyzers, Estimated Market Shares

Germany, Physician Offices/Group Practices Routine and Special Chemistry Test Volume Forecast

Germany, Physician Offices/Group Practices Endocrine Function Test Volume Forecast

Germany, Physician Offices/Group Practices Major Cancer Diagnostic Test Volume Forecast

Germany, Physician Offices/Group Practices Immunoprotein Test Volume Forecast

Germany, Physician Offices/Group Practices TDM Test Volume Forecast

Germany, Physician Offices/Group Practices Routine Chemistry Reagent Market Forecast

Germany, Physician Offices/Group Practices Cancer Diagnostics Market Forecast by Test

Germany, Physician Offices/Group Practices Endocrine Function Diagnostics Market Forecast

Germany, Physician Offices/Group Practices TDM Reagent Market Forecast

Germany, Physician Offices/Group Practices Immunoprotein Reagent Market Forecast

Germany, Physician Offices/Group Practices Drugs of Abuse Reagent Market Forecast

Germany, Major Suppliers of Clinical Chemistry Diagnostic Products Estimated Market Shares

Germany, Major Suppliers of Clinical Chemistry Reagent Estimated Market Shares

Germany, Major Suppliers of Clinical Chemistry Analyzers Estimated Market Shares

Germany, Major Suppliers of Immunodiagnostic Products Estimated Market Shares

Germany, Major Suppliers of Immunodiagnostic Reagent Estimated Market Shares

Germany, Major Suppliers of Immunoassay Analyzers Estimated Market Shares

Spain, Laboratory Performing Chemistry and Immunoassay Tests Forecast by Market Segment

Spain, Ambulatory Care Centers Routine and Special Chemistry Test Volume Forecast

Spain, Ambulatory Care Centers Endocrine Function Test Volume Forecast

Spain, Ambulatory Care Centers TDM Test Volume Forecast

Spain, Ambulatory Care Centers Immunoprotein Test Volume Forecast

Spain, Ambulatory Care Centers Drugs of Abuse Test Volume Forecast

Spain, Ambulatory Care Centers Routine and Special Chemistry Reagent Market

Forecast

Spain, Ambulatory Care Centers Endocrine Function Reagent Market Forecast

Spain, Ambulatory Care Centers TDM Reagent Market Forecast

Spain, Ambulatory Care Centers Immunoprotein Reagent Market Forecast

Spain, Ambulatory Care Centers Drugs of Abuse Reagent Market Forecast

Spain, Major Suppliers of Clinical Chemistry Diagnostic Products Estimated Market Shares

Spain, Major Suppliers of Immunodiagnosics Products Estimated Market Shares

I would like to order

Product name: 2016-2020 New Frontiers in the Point-of-Care/POC Clinical Chemistry and Immunodiagnostic Testing Market: Business Challenges, Emerging Technologies, Competitive Landscape

Product link: <https://marketpublishers.com/r/2980E70E5DEEN.html>

Price: US\$ 6,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/2980E70E5DEEN.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