

# 2016-2020 New Frontiers in UK Clinical Chemistry and Immunodiagnostic Markets: Business Challenges, Emerging Technologies, Competitive Landscape

<https://marketpublishers.com/r/283777D948AEN.html>

Date: March 2016

Pages: 563

Price: US\$ 4,880.00 (Single User License)

ID: 283777D948AEN

## Abstracts

Complete report \$6,100. DataPack (test volumes, sales forecasts, supplier shares) \$3,950.

VPGMarketResearch. com's new report is a study of the major business opportunities emerging in the UK clinical chemistry and immunodiagnostic markets during the next five years. The report explores future trends in the UK market; 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.

## UK

### Market Overview

Estimates of facilities performing clinical chemistry and immunodiagnostic tests.

Test volume and sales projections.

### 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.

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

Hospitals

Commercial/Private Laboratories

### 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, Topiramate, 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

Bayer Healthcare

Beckman Coulter/Danaher

Biomedical Diagnostics

BioMerieux

Bio-Rad

DiaSorin

Eiken

Fujirebio

Grifols

Instrumentation Laboratory

Kyowa Medex

Matritech/Alere

Ortho-Clinical Diagnostics

Quest Diagnostics

Roche

Siemens

Sysmex

Thermo Fisher

Tosoh

Wako

Wallac/PE

Contains 563 pages and 103 tables

## Contents

### INTRODUCTION

### WORLDWIDE MARKET AND TECHNOLOGY OVERVIEW

#### A. Major Routine Chemistry Tests

1. Albumin
2. Alkaline Phosphatase
3. ALT/SGPT
4. Ammonia
5. Amylase
6. AST/SGOT
7. Bilirubin, Total
8. Blood Gases
9. Blood Urea Nitrogen (BUN)
10. Calcium
11. Cardio CRP
12. Cholesterol
13. Cholinesterase
14. CRP
15. Creatinine
16. Electrolytes
  - a. Carbon Dioxide/Bicarbonate
  - b. Chloride
  - c. Potassium
  - d. Sodium
17. Ferritin
18. Fructosamine
19. Gamma-Glutamyl Transpeptidase (GGT)
20. Glucose
21. High Density Lipoprotein (HDL)
22. Homocysteine
23. Iron
24. Lactate Dehydrogenase (LDH)
25. Magnesium
26. Phosphorus
27. Protein
28. Triglycerides

29. Uric Acid

30. Troponin

## B. Therapeutic Drug Monitoring (TDM)

1. Overview

2. Carbamazepine

3. Cyclosporin

4. Digoxin

5. Everolimus

6. Gentamicin

7. Lamotrigine/Lamictal

8. Levetiracetam

9. Lidocaine

10. Lithium

11. NAPA/Procainamide

12. Phenytoin

13. Quinidine

14. Sirolimus

15. Tacrolimus

16. Theophylline

17. Topiramate

18. Valproic Acid

## C. Endocrine Function Tests

1. Cortisol

2. Estradiol

3. Follicle-Stimulating Hormone (FSH)

4. Gastrin

5. Growth Hormone/IGF-1

6. Human Chorionic Gonadotropin (HCG)

7. LH

8. Progesterone

9. PTH/IO PTH

10. Prolactin

11. T3

12. T3 Free

13. T3 Uptake

14. T4 (Thyroxine)

15. T4 Free

16. TBG

17. Testosterone

18. Thyroglobulin Ab
19. TPO Ab
20. TSH

#### D. Tumor Markers And Special Chemistry Tests

1. AFP
2. CA 15-3
3. CA 19-9
4. CA 27-29
5. Carcinoembryonic Antigen (CEA)
6. Folate/Folic Acid
7. HCG
8. 25-Hydroxy Vitamin D2 and D3
9. Occult Blood
10. Prostate-Specific Antigen (PSA)
11. Thyroglobulin
12. Vitamin B-12

#### E. Immunoprotein Tests

1. Complement
  - a. C3
  - b. C4
2. Free Light Chains
3. Immunofixation
4. Immunoglobulins (IgA, IgE, IgG, IgM)
5. Haptoglobin
6. Prealbumin
7. Protein Electrophoresis

#### F. 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



### 13. Tricyclic Antidepressants

G. Instrumentation Review: Operating characteristics and features of high-, medium-, and low-volume/POC analyzers

H. Major In Vitro Diagnostic Technologies And Their Potential Applications

1. Monoclonal and Polyclonal Antibodies

2. Immunoassays

a. Technological Principle

b. Chemiluminescence

c. Enzyme Immunoassays (EIA)

Overview

ELISA

EMIT

Electrochemical

d. Radioimmunoassays (RIA)

e. Immunoprecipitation

f. Affinity Chromatography

3. Tandem Mass Spec

4. IT and Automation

5. Dry Chemistry

6. Biosensors

## **U.K.**

A. Executive Summary

B. Business Environment

C. Market Structure

D. Market Size, Growth and Major Suppliers' Instrument and Reagent Sales and Market Shares

## **MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES**

## **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

## **COMPETITIVE ASSESSMENTS**

Abbott Laboratories  
AdnaGen/Alere  
Agilent Technologies  
Beckman Coulter/Danaher  
Biomedical Diagnostics  
BioMerieux  
Bio-Rad  
DiaSorin  
Eiken  
Fujirebio  
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 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 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 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 AFP Tests  
Major Companies Developing or Marketing CEA Tests  
Major Companies Developing or Marketing Ferritin Tests  
Major Companies Developing or Marketing Occult Blood Tests  
Major Companies Developing or Marketing Prostatic Acid Phosphatase Tests  
Major Companies Developing or Marketing PSA Tests  
Major Companies Developing or Marketing Vitamin B-12/Folate Tests  
Major Companies Developing or Marketing CRP Tests  
Major Companies Developing or Marketing Drugs of Abuse Tests  
Major Companies Developing or Marketing Biosensors for Immunological Testing  
Executive Summary Table: U.K., Clinical Chemistry and Immunoassay Test Volume  
And Diagnostics Sales Forecast By Test Category  
U.K., Laboratories Performing Chemistry and Immunoassay Testing By Market  
Segment  
U.K., Hospital Laboratories Performing Chemistry and Immunoassay Tests By Bed Size  
U.K., Commercial/Private Laboratories Performing Chemistry and Immunoassay Tests  
By Annual Test Volume  
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  
Category  
U.K., Routine Chemistry Test Volume Forecast By Market Segment  
U.K., Endocrine Function Test Volume Forecast By Market Segment  
U.K., Tumor Markers and Special Chemistry Test Volume Forecast By Market Segment  
U.K., Immunoprotein Test Volume Forecast By Market Segment  
U.K., TDM Test Volume Forecast By Market Segment  
U.K., Drugs of Abuse Test Volume Forecast By Market Segment  
U.K., All Market Segments, Profiles, Panels and Individual Tests Forecast  
U.K., Hospital Laboratories, Profiles, Panels and Individual Tests Forecast  
U.K., Commercial/Private Laboratories, Profiles, Panels and Individual Tests Forecast  
U.K., All Market Segments, Routine Chemistry Test Volume Forecast by Assay  
U.K., Hospital Laboratories, Routine Chemistry Test Volume Forecast by Assay  
U.K., Commercial/Private Laboratories, Routine Chemistry Test Volume Forecast by  
Assay  
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  
Assay  
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

Forecast by Assay

U.K., Commercial/Private Laboratories, Tumor Markers and Special Chemistry Test

Volume Forecast by Assay

U.K., All Market Segments, Immunoprotein Test Volume Forecast by Assay

U.K., Hospital Laboratories, Immunoprotein Test Volume Forecast by Assay

U.K., Commercial/Private Laboratories, Immunoprotein Test Volume Forecast by Assay

U.K., All Market Segments, TDM Test Volume Forecast by Assay by Assay

U.K., Hospital Laboratories, TDM Test Volume Forecast by Assay

U.K., Commercial/Private Laboratories, TDM Test Volume Forecast by Assay

U.K., All Market Segments, Drugs of Abuse Test Volume Forecast by Assay

U.K., Hospital Laboratories, Drugs of Abuse Test Volume Forecast by Assay

U.K., Commercial/Private Laboratories, Drugs of Abuse Test Volume Forecast by Assay

U.K., Total Clinical Chemistry and Immunoassay Reagent Market Forecast By Test  
Category

U.K., Clinical Chemistry and Immunoassay Calibrator and Control Market Forecast By  
Test Category

U.K., Routine Chemistry Reagent Market Forecast By Market Segment

U.K., Endocrine Function Reagent Market Forecast By Market Segment

U.K., Tumor Markers and Special Chemistry Reagent Market Forecast By Market  
Segment

U.K., Immunoprotein Reagent Market Forecast By Market Segment

U.K., TDM Reagent Market Forecast By Market Segment

U.K., Drugs of Abuse Reagent Market Forecast By Market Segment

U.K., All Market Segments, Routine Chemistry Reagent Market Forecast by Assay

U.K., Hospital Laboratories, Routine Chemistry Reagent Market Forecast by Assay

U.K., Commercial/Private Laboratories, Routine Chemistry Reagent Market Forecast by  
Assay

U.K., All Market Segments, Endocrine Function Reagent Market Forecast by Assay

U.K., Hospital Laboratories, Endocrine Function Reagent Market Forecast by Assay

U.K., Commercial/Private Laboratories, Endocrine Function Reagent Market Forecast  
by Assay

U.K., All Market Segments, Immunoprotein Reagent Market Forecast by Assay

U.K., Hospital Laboratories, Immunoprotein Reagent Market Forecast by Assay

U.K., Commercial/Private Laboratories, Immunoprotein Reagent Market Forecast by  
Assay

U.K., All Market Segments, TDM Reagent Market Forecast by Assay

U.K., Hospital Laboratories, TDM Reagent Market Forecast by Assay

U.K., Commercial/Private Laboratories, TDM Reagent Market Forecast by Assay

U.K., All Market Segments, Tumor Markers and Special Chemistry Reagent Market Forecast by Assay

U.K., Hospital Laboratories, Tumor Markers and Special Chemistry Reagent Market Forecast by Assay

U.K., Commercial/Private Laboratories, Tumor Markers and Special Chemistry Reagent Market Forecast by Assay

U.K., All Market Segments, Drugs of Abuse Reagent Market Forecast by Assay

U.K., Hospital Laboratories, Drugs of Abuse Reagent Market Forecast by Assay

U.K., Commercial/Private Laboratories, Drugs of Abuse Reagent Market Forecast by Assay

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

## I would like to order

Product name: 2016-2020 New Frontiers in UK Clinical Chemistry and Immunodiagnostic Markets:  
Business Challenges, Emerging Technologies, Competitive Landscape

Product link: <https://marketpublishers.com/r/283777D948AEN.html>

Price: US\$ 4,880.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/283777D948AEN.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



