Table of Contents



Thousands of corporations worldwide are relying on our market intelligence, expert analysis, and strategic insight, critical to the development and implementation of effective business, R&D and marketing programs.

www.LeadingMarketResearch.com

www.VPGMarketResearch.com

reports@vpgcorp.com

+1 212 564 2838

Table of Contents

I. Introduction

II. Market Overview

- 1. Business Environment
- 2. Market Structure
- 3. Market Size and Growth

III. Major Product Development Opportunities

IV. Design Criteria for Decentralized Testing Products

V. Alternative Market Penetration Strategies

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies for Decentralized Testing Markets

VI. 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

VII. 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. Topirimate
- 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. Carcinoembrionic 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. Methagualone
- 11. Opiates
- 12. Phencyclidine
- 13. Tricyclic Antidepressants
- G. Clinical Chemistry and Immunodiagnostic Instrumentation Review: operating characteristics and features of high-, medium-, and low-volume/POC analyzers
- H. Major Cliinical Chemistry and Immunodiagnostic Technologies and Their Potential Applications
 - 1. Monoclonal and Polyclonal Antibodies
 - 2. Immunoassays
 - 3. Tandem Mass Spec
 - 4. IT and Automation
 - 5. Dry Chemistry
 - 6. Biosensors

VIII. U.K. Clinical Chemistry and Immunodiagnostics Market

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts by Market Segment, Major Supplier Instrument, Reagent Sales and Market Shares

IX. Competitive Assessments

- Abbott Laboratories
- Agilent Technologies
- Beckman Coulter/Danaher
- bioMerieux
- Bio-Rad
- DiaSorin
- Eiken Chemical
- Fujirebio
- Grifols
- Instrumentation Laboratory/Werfen
- Kyowa Medex
- Ortho-Clinical Diagnostics
- PerkinElmer
- Quest Diagnostics
- Roche
- Siemens Healthineers
- Sysmex
- Thermo Fisher
- Tosoh
- Wako

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