Table of Contents and List of Tables



Over 1,000 corporations in 70 countries 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

- A. Business Environment
- B. Market Structure
- C. 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. BNP
- 11. Calcium
- 12. Cardio CRP
- 13. Cholesterol
- 14. Cholinesterase

- 15. CRP
- 16. Creatinine
- 17. Electrolytes
 - a. Carbon Dioxide/Bicarbonate
 - b. Chloride
 - c. Potassium
 - d. Sodium
- 18. Ferritin
- 19. Fructosamine
- 20. Gamma-Glutamyl Transpeptidase (GGT)
- 21. Glucose
- 22. High Density Lipoprotein (HDL)
- 23. Homocysteine
- 24. hs-CRP
- 25. Iron
- 26. Lactate Dehydrogenase (LDH)
- 27. Magnesium
- 28. NT-proBNP
- 29. Phosphorus
- 30. Protein
- 31. ST2
- 32. Triglycerides
- 33. Uric Acid
- 34. 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. Methaqualone
- 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 Clinical 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. Country Analyses: Volume and Sales Forecasts for over 100 Immunodiagnostic, Drug of Abuse, Endocrine Function, Immunoprotein, Therapeutic Drug Monitoring (TDM), Tumor Marker and Special Chemistry Tests

- Argentina
- Brazil
- Chile
- Colombia
- Mexico
- Peru
- Venezuela

IX. Competitive Assessments

Abbott Laboratories

Agilent Technologies

Beckman Coulter/Danaher

bioMerieux

Bio-Rad

DiaSorin

Eiken Chemical

Fujifilm Wako

Fujirebio

Grifols

Instrumentation Laboratory/Werfen

Kyowa Medex

PerkinElmer

Quest Diagnostics

QuidelOrtho

Roche

Siemens Healthineers

Sysmex

Thermo Fisher

Tosoh

List of Tables

Argentina Total Chemistry and Immunoassay Specimen Volume Forecast by Specimen Type

Argentina All Market Segments, Routine Chemistry Test Volume Forecast by Assay

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

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

Argentina All Market Segments, Immunoprotein Test Volume Forecast by Assay

Argentina All Market Segments, TDM Test Volume Forecast by Assay

Argentina All Market Segments, Drugs of Abuse Test Volume Forecast by Assay

Argentina Clinical Chemistry and Immunoassay Calibrator and Control Market Forecast by Test Category

Argentina All Market Segments, Routine Chemistry Reagent Market Forecast by Assay

Argentina All Market Segments, Endocrine Function Reagent Market Forecast by Assay

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

Argentina All Market Segments, Immunoprotein Reagent Market Forecast by Assay

Argentina All Market Segments, TDM Reagent Market Forecast by Assay

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

Argentina Clinical Chemistry and Immunoassay Instrument Market Forecast by Analyzer Type

Brazil Total Chemistry and Immunoassay Specimen Volume Forecast by Specimen Type

Brazil All Market Segments, Routine Chemistry Test Volume Forecast by Assay

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

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

Brazil All Market Segments, Immunoprotein Test Volume Forecast by Assay

Brazil All Market Segments, TDM Test Volume Forecast by Assay

Brazil All Market Segments, Drugs of Abuse Test Volume Forecast by Assay

Brazil Clinical Chemistry and Immunoassay Calibrator and Control Market Forecast by Test Category

Brazil All Market Segments, Routine Chemistry Reagent Market Forecast by Assay

Brazil All Market Segments, Endocrine Function Reagent Market Forecast by Assay

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

Brazil All Market Segments, Immunoprotein Reagent Market Forecast by Assay

Brazil All Market Segments, TDM Reagent Market Forecast by Assay

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

Brazil Clinical Chemistry and Immunoassay Instrument Market Forecast by Analyzer Type

Chile Total Chemistry and Immunoassay Specimen Volume Forecast by Specimen Type

Chile All Market Segments, Routine Chemistry Test Volume Forecast by Assay

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

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

Colombia Total Chemistry and Immunoassay Specimen Volume Forecast by Specimen Type

Colombia All Market Segments, Routine Chemistry Test Volume Forecast by Assay

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

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

Colombia All Market Segments, Immunoprotein Test Volume Forecast by Assay

Colombia All Market Segments, TDM Test Volume Forecast by Assay

Colombia All Market Segments, Drugs of Abuse Test Volume Forecast by Assay

Colombia Clinical Chemistry and Immunoassay Calibrator and Control Market Forecast by Test Category

Colombia All Market Segments, Routine Chemistry Reagent Market Forecast by Assay

Colombia All Market Segments, Endocrine Function Reagent Market Forecast by Assay

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

Colombia All Market Segments, Immunoprotein Reagent Market Forecast by Assay

Colombia All Market Segments, TDM Reagent Market Forecast by Assay

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

Colombia Clinical Chemistry and Immunoassay Instrument Market Forecast by Analyzer Type

Mexico Total Chemistry and Immunoassay Specimen Volume Forecast by Specimen Type

Mexico All Market Segments, Routine Chemistry Test Volume Forecast by Assay

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

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

Mexico All Market Segments, Immunoprotein Test Volume Forecast by Assay

Mexico All Market Segments, TDM Test Volume Forecast by Assay

Mexico All Market Segments, Drugs of Abuse Test Volume Forecast by Assay

Mexico Clinical Chemistry and Immunoassay Calibrator and Control Market Forecast by Test Category

Mexico All Market Segments, Routine Chemistry Reagent Market Forecast by Assay

Mexico All Market Segments, Endocrine Function Reagent Market Forecast by Assay

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

Mexico All Market Segments, Immunoprotein Reagent Market Forecast by Assay

Mexico All Market Segments, TDM Reagent Market Forecast by Assay

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

Mexico Clinical Chemistry and Immunoassay Instrument Market Forecast by Analyzer Type

Peru Total Chemistry and Immunoassay Specimen Volume Forecast by Specimen Type

Peru All Market Segments, Routine Chemistry Test Volume Forecast by Assay

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

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

Peru All Market Segments, Immunoprotein Test Volume Forecast by Assay

Peru All Market Segments, TDM Test Volume Forecast by Assay

Peru All Market Segments, Drugs of Abuse Test Volume Forecast by Assay

Peru Clinical Chemistry and Immunoassay Calibrator and Control Market Forecast by Test Category

Peru All Market Segments, Routine Chemistry Reagent Market Forecast by Assay

Peru All Market Segments, Endocrine Function Reagent Market Forecast by Assay

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

Peru All Market Segments, Immunoprotein Reagent Market Forecast by Assay

Peru All Market Segments, TDM Reagent Market Forecast by Assay

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

Peru Clinical Chemistry and Immunoassay Instrument Market Forecast by Analyzer Type

Venezuela Total Chemistry and Immunoassay Specimen Volume Forecast by Specimen Type

Venezuela All Market Segments, Routine Chemistry Test Volume Forecast by Assay

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

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

Venezuela All Market Segments, Immunoprotein Test Volume Forecast by Assay

Venezuela All Market Segments, TDM Test Volume Forecast by Assay

Venezuela All Market Segments, Drugs of Abuse Test Volume Forecast by Assay

Venezuela Clinical Chemistry and Immunoassay Calibrator and Control Market Forecast by Test Category

Venezuela All Market Segments, Routine Chemistry Reagent Market Forecast by Assay

Venezuela All Market Segments, Endocrine Function Reagent Market Forecast by Assay

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

Venezuela All Market Segments, Immunoprotein Reagent Market Forecast by Assay

Venezuela All Market Segments, TDM Reagent Market Forecast by Assay

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

Venezuela Clinical Chemistry and Immunoassay Instrument Market Forecast by Analyzer Type

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