

# **2019-2023 Brazil Clinical Chemistry Reagents and Analyzers Market Analysis: Supplier Strategies, Volume and Sales Segment Forecasts, Technology and Instrumentation Review**

<https://marketpublishers.com/r/B4959584605EN.html>

Date: January 2019

Pages: 517

Price: US\$ 3,750.00 (Single User License)

ID: B4959584605EN

## **Abstracts**

This new report from LeadingMarketResearch.com is designed to help current suppliers and potential market entrants identify and evaluate business opportunities emerging in the clinical chemistry and immunodiagnostic markets during the next five years. The report provides specimen, test volume and sales forecasts; compares features of leading analyzers; profiles key competitors; and identifies specific product and marketing opportunities emerging during the next five years.

## **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.

## **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, Topirimate, 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, PO 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.

### **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 Assessment**

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

Comprehensive lists 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 suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, collaborative arrangements and new products in R&D.

Contains 517 pages and 65 tables

## Contents

### I. INTRODUCTION

### II. 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. 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. 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

## **VI. MARKET SIZE, GROWTH AND SALES FORECASTS BY TEST**

## **VII. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES**

## **VIII. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS**

## **IX. 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

## **X. 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

## **XI. COMPETITIVE ASSESSMENTS**

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



## List Of Tables

### LIST OF TABLES

Executive Summary Table: Clinical Chemistry and Immunoassay Test Volume and Diagnostics Sales Forecast by Test Category

Total Chemistry and Immunoassay Specimen Volume Forecast

All Market Segments, Specimen Volume Forecast by Test Category

Total Clinical Chemistry and Immunoassay Test Volume Forecast by Test Category

All Market Segments, Profiles, Panels and Individual Tests Forecast

All Market Segments, Routine Chemistry Test Volume Forecast by Assay

All Market Segments, Endocrine Function Test Volume Forecast by Assay

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

All Market Segments, Immunoprotein Test Volume Forecast by Assay

All Market Segments, TDM Test Volume Forecast by Assay

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

Total Clinical Chemistry and Immunoassay Reagent Market Forecast by Test Category

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

All Market Segments, Routine Chemistry Reagent Market Forecast by Assay

All Market Segments, Endocrine Function Reagent Market Forecast by Assay

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

All Market Segments, Immunoprotein Reagent Market Forecast by Assay

All Market Segments, TDM Reagent Market Forecast by Assay

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

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 by Assay

## I would like to order

Product name: 2019-2023 Brazil Clinical Chemistry Reagents and Analyzers Market Analysis: Supplier Strategies, Volume and Sales Segment Forecasts, Technology and Instrumentation Review

Product link: <https://marketpublishers.com/r/B4959584605EN.html>

Price: US\$ 3,750.00 (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/B4959584605EN.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