

# 2021 Kuwait Clinical Chemistry and Immunodiagnostics Market Perspective-Competitive Shares and Growth Strategies, Volume and Sales Segment Forecasts for 100 Tests, Latest Technologies and Instrumentation Pipeline, Emerging Opportunities for Suppliers

https://marketpublishers.com/r/25D06AD1CF1EEN.html

Date: June 2021

Pages: 517

Price: US\$ 2,450.00 (Single User License)

ID: 25D06AD1CF1EEN

# **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 is available by section, and can be customized to specific information needs and budget. The report provides specimen, test volume and Sales Segment 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.



## Individual Tests Analyzed in the Report

# **Clinical Chemistry**

Albumin, Alkaline Phosphatase, ALT/SGPT, Ammonia, Amylase, AST/SGOT, Bilirubin (Direct), Bilirubin (Total), BNP, BUN (Blood Urea Nitrogen), Calcium, Carbon Dioxide/Bicarbonate, Cardio CRP, Chloride, Cholesterol, Creatine Kinase (CK), CK-MB, Creatinine, CRP, Cystatin C, Ferritin, Fructosamine, GGT, Glucose, HDL Cholesterol, Homocysteine, hs-CRP, Insulin, Iron, Iron (Total Binding Capacity), Iron (Unsaturated Binding Capacity), LDH, LDL Cholesterol, LDL Cholesterol Direct, Lipase, Lipoprotein a, Magnesium, Microalbumin, NT-proBNP, Phosphorus, Potassium, Sodium, ST2, Total Protein, 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 Free, T3 Uptake, T4, T4 Free, TBG, Testosterone, Thyroglobulin Ab, TPO Ab, TSH

Tumor Markers and Special Chemistry

AFP, CA 15-3/27-29, CA 19-9, CEA, Ferritin, Follate (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, Antidepressants, 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 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 Segment, product portfolios, marketing tactics, collaborative arrangements and new products in R&D.

Contains 517 pages and 65 tables



# **Contents**

#### I. INTRODUCTION

#### II. 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. 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

## III. MARKET SIZE, GROWTH AND SALES FORECASTS BY TEST

## IV. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

#### V. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

#### VI. 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

#### VII. 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

## **VIII. COMPETITIVE ASSESSMENTS**

Abbott

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**

#### 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: 2021 Kuwait Clinical Chemistry and Immunodiagnostics Market Perspective-Competitive

Shares and Growth Strategies, Volume and Sales Segment Forecasts for 100 Tests, Latest Technologies and Instrumentation Pipeline, Emerging Opportunities for Suppliers

Product link: https://marketpublishers.com/r/25D06AD1CF1EEN.html

Price: US\$ 2,450.00 (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 <a href="https://marketpublishers.com/r/25D06AD1CF1EEN.html">https://marketpublishers.com/r/25D06AD1CF1EEN.html</a>

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
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

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