

# Japanese Clinical Chemistry and Immunodiagnostic Market Outlook: Innovations, Trends and Opportunities for Suppliers

<https://marketpublishers.com/r/JF925BE3A4CEN.html>

Date: May 2013

Pages: 559

Price: US\$ 6,080.00 (Single User License)

ID: JF925BE3A4CEN

## Abstracts

This report presents a comprehensive analysis of the Japanese clinical chemistry and immunodiagnosics markets, including:

Major issues pertaining to the Japanese clinical chemistry and immunodiagnostic laboratory practice, as well as key economic, regulatory, demographic, social and technological trends with significant market impact during the next ten years.

Five- and ten-year volume and sales forecasts for over 100 clinical chemistry, TDM, endocrine, cancer, immunoprotein and abused drug assays performed in Japanese hospitals and commercial laboratories, including controls, calibrators and consumables.

Five- and ten-year volume forecasts for serum, whole blood, plasma, CFS, urine and other specimens.

Five- and ten-year reagent and instrument sales forecasts.

Review of current instrumentation technologies, and a feature comparison of 50 high-, medium-, and low-volume/POC analyzers.

Sales and market shares of leading reagent and instrument suppliers.

Review of current and emerging technologies and their potential market applications.

Product development opportunities for clinical chemistry and immunodiagnostic instruments and consumables.

Profiles of 25 current and emerging suppliers, including their sales, market shares, product portfolios, marketing tactics, technological know-how, new products in R&D, collaborative arrangements and business strategies.

Market penetration strategies, entry barriers and risks.

Contains 559 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. Follicle-Stimulating Hormone (FSH)
3. Gastrin
4. Growth Hormone/IGF-1
5. Human Chorionic Gonadotropin (HCG)
6. LH
7. PTH/IO PTH
8. Prolactin
9. T3
10. T3 Free
11. T3 Uptake
12. T4 (Thyroxine)
13. T4 Free
14. TBG
15. Thyroglobulin Ab
16. TPO Ab
17. 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 Manufactured By:
- Abaxis

Abbott  
Alere/Inverness  
Alfa Wassermann  
AMS  
Awareness Technologies  
Beckman Coulter/Olympus  
Binding Site  
bioMerieux  
Carolina Chemistries  
DiaSorin  
Grifols  
Horiba  
Medica  
Nova Biomedical  
Ortho-Clinical Diagnostics  
Polymedco  
Randox  
Roche  
Siemens  
Tosoh  
Vital Diagnostics

## H. Major In Vitro Diagnostic Technologies And Their Potential Applications

1. Monoclonal and Polyclonal Antibodies
2. Immunoassays
  - a. Technological Principle
  - d. 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

## **JAPAN**

- 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  
Beckman Coulter/Danaher  
Biomedical Diagnostics  
BioMerieux  
Bio-Rad  
Dako  
DiaSorin  
Eiken  
Fujirebio  
Instrumentation Laboratory  
Kyowa Medex  
Matritech  
Ortho-Clinical 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 Clinical Chemistry Testing  
Executive Summary Table: Japan, Clinical Chemistry and Immunoassay Test Volume and Diagnostics Sales Forecast By Test Category  
Japan, Laboratories Performing Chemistry and Immunoassay Testing By Market Segment  
Japan, Hospital Laboratories Performing Chemistry and Immunoassay Tests By Bed Size  
Japan, Commercial/Private Laboratories Performing Chemistry and Immunoassay Tests By Annual Test Volume  
Japan, Total Chemistry and Immunoassay Specimen Volume Forecast  
Japan, All Market Segments, Specimen Volume Forecast By Test Category  
Japan, Total Clinical Chemistry and Immunoassay Test Volume Forecast By Test Category  
Japan, Routine Chemistry Test Volume Forecast By Market Segment  
Japan, Endocrine Function Test Volume Forecast By Market Segment  
Japan, Tumor Markers and Special Chemistry Test Volume Forecast By Market Segment  
Japan, Immunoprotein Test Volume Forecast By Market Segment  
Japan, TDM Test Volume Forecast By Market Segment  
Japan, Drugs of Abuse Test Volume Forecast By Market Segment  
Japan, All Market Segments, Profiles, Panels and Individual Tests Forecast  
Japan, Hospital Laboratories, Profiles, Panels and Individual Tests Forecast  
Japan, Commercial/Private Laboratories, Profiles, Panels and Individual Tests Forecast  
Japan, All Market Segments, Routine Chemistry Test Volume Forecast by Assay  
Japan, Hospital Laboratories, Routine Chemistry Test Volume Forecast by Assay  
Japan, Commercial/Private Laboratories, Routine Chemistry Test Volume Forecast by Assay  
Japan, All Market Segments, Endocrine Function Test Volume Forecast by Assay  
Japan, Hospital Laboratories, Endocrine Function Test Volume Forecast by Assay  
Japan, Commercial/Private Laboratories, Endocrine Function Test Volume Forecast by

## Assay

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

Japan, Hospital Laboratories, Tumor Markers and Special Chemistry Test Volume Forecast by Assay

Japan, Commercial/Private Laboratories, Tumor Markers and Special Chemistry Test Volume Forecast by Assay

Japan, All Market Segments, Immunoprotein Test Volume Forecast by Assay

Japan, Hospital Laboratories, Immunoprotein Test Volume Forecast by Assay

Japan, Commercial/Private Laboratories, Immunoprotein Test Volume Forecast by Assay

Japan, All Market Segments, TDM Test Volume Forecast by Assay

Japan, Hospital Laboratories, TDM Test Volume Forecast by Assay

Japan, Commercial/Private Laboratories, TDM Test Volume Forecast by Assay

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

Japan, Hospital Laboratories, Drugs of Abuse Test Volume Forecast by Assay

Japan, Commercial/Private Laboratories, Drugs of Abuse Test Volume Forecast by Assay

Japan, Total Clinical Chemistry and Immunoassay Reagent Market Forecast By Test Category

Japan, Clinical Chemistry and Immunoassay Calibrator and Control Market Forecast By Test Category

Japan, Routine Chemistry Reagent Market Forecast By Market Segment

Japan, Endocrine Function Reagent Market Forecast By Market Segment

Japan, Tumor Markers and Special Chemistry Reagent Market Forecast By Market Segment

Japan, TDM Reagent Market Forecast By Market Segment

Japan, Immunoprotein Reagent Market Forecast By Market Segment

Japan, Drugs of Abuse Reagent Market Forecast By Market Segment

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

Japan, Hospital Laboratories, Routine Chemistry Reagent Market Forecast by Assay

Japan, Commercial/Private Laboratories, Routine Chemistry Reagent Market Forecast by Assay

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

Japan, Hospital Laboratories, Endocrine Function Reagent Market Forecast by Assay

Japan, Commercial/Private Laboratories, Endocrine Function Reagent Market Forecast by Assay

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

Japan, Hospital Laboratories, Tumor Markers and Special Chemistry Reagent Market Forecast by Assay

Japan, Commercial/Private Laboratories, Tumor Markers and Special Chemistry Reagent Market Forecast by Assay

Japan, All Market Segments, TDM Reagent Market Forecast by Assay

Japan, Hospital Laboratories, TDM Reagent Market Forecast by Assay

Japan, Commercial/Private Laboratories, TDM Reagent Market Forecast by Assay

Japan, All Market Segments, Immunoprotein Reagent Market Forecast by Assay

Japan, Hospital Laboratories, Immunoprotein Reagent Market Forecast by Assay

Japan, Commercial/Private Laboratories, Immunoprotein Reagent Market Forecast by Assay

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

Japan, Hospital Laboratories, Drugs of Abuse Reagent Market Forecast by Assay

Japan, Commercial/Private Laboratories, Drugs of Abuse Reagent Market Forecast by Assay

Japan, Clinical Chemistry and Immunoassay Instrument Market Forecast By Analyzer Type

Japan, Major Suppliers of Clinical Chemistry Diagnostic Products, Estimated Sales and Market Shares

Japan, Major Suppliers of Immunoassay Products, Estimated Sales and Market Shares

## I would like to order

Product name: Japanese Clinical Chemistry and Immunodiagnostic Market Outlook: Innovations, Trends and Opportunities for Suppliers

Product link: <https://marketpublishers.com/r/JF925BE3A4CEN.html>

Price: US\$ 6,080.00 (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/JF925BE3A4CEN.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

