

## Future Horizons in the US Cancer Diagnostics Market: Supplier Shares and Sales Forecasts for 40 Tumor Markers by Market Segment

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#### **Abstracts**

#### **Highlights**

Comprehensive 620-page analysis of the US tumor marker testing market.

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

Mortality statistics and scientific views on the etiology of major types of cancer, e.g., lung, colorectal, breast, prostatic, pancreatic, leukemia, lymphoma, gastrointestinal, bladder, liver, ovarian, testicular, oral, skin and others.

Ten-year test volume and sales forecasts over for 40 tumor marker performed in US hospitals, commercial laboratories and physician offices.

Placements and installed base of automated and semi-automated analyzers used for tumor marker testing.

Current instrumentation technologies and feature comparison of leading analyzers.

Sales and market shares of leading suppliers.

Emerging diagnostic technologies and their potential market applications.



Product development opportunities.

Profiles of 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.

Business opportunities and strategic recommendations for suppliers.

Contains 620 pages and 103 tables



#### **Contents**

#### INTRODUCTION

#### WORLDWIDE MARKET AND TECHNOLOGY OVERVIEW

#### A. CANCER STATISTICS AND ETIOLOGY

- 1. Brest Cancer
- 2. Lung Cancer
- 3. Colon and Rectum Cancer
- 4. Prostate Cancer
- 5. Stomach Cancer
- 6. Leukemia
- 7. Lymphoma
- 8. Oral Cancer
- 9. Skin Cancer
- 10. Uterine Cancer
- 11. Ovarian Cancer
- 12. Bladder Cancer

#### B. MAJOR CURRENT AND EMERGING CANCER DIAGNOSTIC TESTS

- 1. Introduction
- 2. Tumor Marker Classification
- 3. ACTH
- 4. Alpha-Fetoprotein (AFP)
- 5. Beta-2 Microglobulin
- 6. CA 15-3/27.29
- 7. CA 19-9
- 8. CA-125
- 9. Calcitonin
- 10. Carcinoembrionic Antigen (CEA)
- 11. Estrogen and Progesterone Receptors
- 12. Ferritin
- 13. Gastrin
- 14. Human Chorionic Gonadotropin (HCG)
- 15. Insulin
- 16. NSE



- 17. Occult Blood
- 18. PAP Smear/HPV
- 19. Prostatic Acid Phosphatase (PAP)
- 20. Prostate-Specific Antigen (PSA)
- 21. Squamous Cell Carcinoma Antigen (SCC)
- 22. T and B Lymphocytes
- 23. TdT
- 24. Thyroglobulin
- 25. Tissue Polypeptide Antigen (TPA)
- 26. Biochemical Tumor Markers

**ADA** 

**B-Protein** 

**PNP** 

5'-Nucleotidase

27. Oncogenes

Abl/abl-bcr

AIB1

BCL-2

BRCA1

**CD44** 

C-fos

C-myb

C-myc

CYP-17

Erb-B

HPC1

N-myc

P40

P51

P53

PIK3CA

PTI-1

Ras

Reg

Sis

Src

28. Polypeptide Growth Factors

Basic Fibroblast Growth Factor -Beta-TGF

Cachectin (TNT)



Calmodulin

**ECFR** 

Nerve Growth Factor (NGF)

Epidermal Growth Factor (EGF)

Ornithine Decarboxylase

Transferrin

Transforming Growth Factor-Alpha

- 29. Ectopic Hormones
- 30. Colony Stimulating Factors
- 31. Lymphokines

Alpha-Interferon

**B Cell Growth Factors** 

B Cell Growth Factor (BCGF)

Gamma-Interferon

Interleukin-1 (IL-1)

Macrophage Activating Factor 32. Immunohistochemical Stains

33. Emerging Tumor Markers

N-Acetylglucosamine

Actin

Alpha-Actin

**Antineuronal Antibodies** 

7B2

B72.3

Bax

BCD-F9

BLCA-4

Blood Group Antigens A,B,H

CA 50

CA 72-4/TAG-72

CA 195

CA-242

CA-549

**CAM 26** 

CAR-3

Cathepsin-D

Chromogranin A and B

Cluster 1 Antigen

Cluster-5/5A Antigen

CTA



**CU18** 

**DR-70** 

DU-PAN-2

Endometrial Bleeding Associated Factor-Endostatin

Epithelial Membrane Antigen

Feulgen Hydrolysis

Fibronectin

**FSH** 

(1->3)-L-fucosyltransferase

Gastrin-Releasing Peptide (GRP)

GDCFP-15

Glucagon

Glycoamines

H23

Her-2

Human Carcinoma Antigen

**HPA** 

HSP27

Intermediate Filaments

Cytokeratins/CK18/Cyfra 21-1

Desmin

Gliofibrillary Acid Protein

Neurofilaments

Vimentin

**KA 93** 

Kinases

**KP16D3** 

LAI

Leukocyte Common Antigen

Lewis Antigens

Lysophosphatidic Acid (LPA)

Ma 695/Ma 552

MABDF3

MAG

ME1

Minactivin

MN/CA9

**MSA** 

Mucin Cancer Antigen (MCA)



Multiple Tumor Suppressor 1

Myosin

**NEA-130** 

NMP22

OA-519

**Opiod Peptides** 

P-glycoprotein

Pancreatic Oncofetal Antigen (POA)

Placental Lactogen

PR92

Proliferative Index, Ki-67

Px

RB Inactivation/Deletion

Ret

**SCCL 175** 

Selectin

Sialic Acid

Sialyl SSEA-1/SLX

SN10

Somatostatin

TA-90

**TABA** 

Tachykinin

**TAG 12** 

**TPS** 

Troponin

**Tubulin** 

**VCAM** 

**VEGF** 

Villen

#### C. INSTRUMENTATION REVIEW AND MARKET NEEDS

- 1. Abbott AxSYM
- 2. Abbott Architect c4000
- 3. Abbott Architect i2000 Series
- 4. Abbott Architect ci8200 System
- 5. Beckman Coulter UniCel Series
- 6. Beckman Coulter Access



- 7. Binding Site ESP600
- 8. bioMerieux Mini Vidas
- 9. Carolina Chemistries BioLis 24i
- 10. DiaSorin Liaison
- 11. Horiba ABX Pentra 400
- 12. Inverness DS2
- 13. J&J Vitros ECi/ECiQ
- 14. J&J Vitros 3600
- 15. J&J Vitros 5600
- 16. Olympus AU5400
- 17. Olympus AU3000i
- 18. Olympus AU2700
- 19. Roche Modular Analytics
- 20. Roche Cobas Integra 400
- 21. Roche Cobas Integra 400 Plus
- 22. Roche Elecsys
- 23. Roche Cobas c311
- 24. Siemens ADVIA Centaur
- 25. Siemens Dimension
- 26. Siemens Dimension RxL Max
- 27. Siemens Dimension Vista 500
- 28. Siemens Immulite
- 29. Siemens Stratus
- 30. Tosoh AIA-Series
- 31. Vital Diagnostics ATAC 8000
- 32. Vital Diagnostics Envoy 500

#### D. CURRENT AND EMERGING TECHNOLOGIES

- 1. Monoclonal and Polyclonal Antibodies
- 2. Immunoassays
  - a. Technological Principle
  - b. Radioimmunoassay (RIA)
  - c. Enzyme Immunoassays (EIA)

Overview

**ELISA** 

**Immunofiltration** 

Particle-Membrane Capture Immunoassay

**Enzyme Amplification** 



- d. Fluorescent Immunoassays
- e. Luminescence

Chemiluminescence

Bioluminescence

- f. Latex Agglutination
- g. Immunoprecipitation
- h. Affinity Chromatographu
- e. Liposome Flow-Injection Immunoassay
- 3. Molecular Diagnostics
  - a. Technology Overview
  - b. Amplification Methods

**PCR** 

DAP-PCR

Immuno-PCR

QC-PCR

CAR

DNA

**HPA** 

**LCR** 

**NASBA** 

**QBR** 

**SDA** 

- 3 SR, and others
- 4. Chromosome Analysis
  - a. Chronic Myelogenous Leukemia (CML)
  - b. Acute Myeloid Leukemia (AML)
  - c. Acute Lymphoblastic Leukemia (ALL)
  - d. Malignant Lymphomas Lymphoid Malignancies
  - e. Chronic Lymphocytic Leukemia (CLL)
  - f. Solid Cancers
  - g. Chromosomal Translocation and Oncogenes
- 5. Artificial Intelligence
- 6. Flow Cytometry
- 7. Two Dimensional Gel Electrophoresis (2-DGE)
- 8. Biosensors
- 9. Competing/Complementing Technologies
  - a. CT
  - b. MRI
  - c. NMR



- d. PET
- e. Photonics Spectroscopy

#### **E. PERSONAL TESTING**

#### U.S.A.

- A. Executive Summary
- B. Business Environment
  - 1. Health Care Expenditures
  - 2. Cost Consciousness
  - 3. Industry Consolidation
  - 4. Managed Care
  - 5. Hospitals
  - 6. Admissions
  - 7. Length of Stay
  - 8. Industry Diversification
  - 9. Physician Demographics
  - 10. Population Aging
    - a. Chronic Illness
    - b. Disease Incidence
    - c. Susceptibility to latrogenesis
    - d. Multiple Illness Cases
  - 11. Laboratory Regulations
- C. Market Structure
  - 1. Centralized Testing
    - a. Hospitals
    - b. Commercial/Private Laboratories
  - 2. POT/Decentralized Testing
    - a. Physician Offices/Group Practices
    - b. Cancer Clinics
    - c. Point-Of-Care Testing
    - d. Other Decentralized Testing Locations

# D. MARKET SIZE, GROWTH AND MAJOR SUPPLIERS SALES, INSTRUMENT PLACEMENTS AND MARKET SHARES

#### MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES



- A. Reagent Kits and Test Systems/Panels
- B. Instrumentation
- C. Computers, Software and Automation
- D. Auxiliary Products

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

#### **ALTERNATIVE MARKET PENETRATION STRATEGIES**

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies
  - 1. Marketing Approaches
  - 2. Product Complexity
  - 3. Customer Preference
  - 4. Established Suppliers
  - 5. Emerging Suppliers
  - 6. Major Types of Distributors
  - 7. Market Segmentation Factor

#### 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 PROFILES**

Abbott

AdnaGen

Applied Gene Technologies

Arca

Beckman Coulter/Danaher

**Becton Dickinson** 



**Biomedical Diagnostics** 

bioMerieux

Bio-Rad

Cepheid

Correlogic Systems

Dako

Decode

Diadexus

Diagnocure

Diasorin

Eiken Chemical

Enterix

Enzo Biochem

**Epigenomics** 

**Exact Sciences** 

Fujirebio

Gen-Probe

**Guided Therapeutics** 

Hologic

Ipsogen

Kreatech

Kyowa Medex

Life Technologies

Mackay Life Sciences

Myriad Genetics

Nanogen Elitech

OncoLab

Otho-Clinical Diagnostics

Panacea Pharmaceuticals

**Polartechnics** 

Polymedco

**PreMD** 

Qiagen

Radient Pharmaceuticals

Roche

Scienion

Sequenom

Siemens Healthcare

Takara Bio



Targeted Diagnostics & Therapeutics
Tosoh
Veridex
Wako Pure Chemicals
Wallac/PE
Zila

#### **APPENDIXES**

Appendix I: Major Universities and Research Centers Developing Cancer Diagnostic Technology and Applications Appendix II: Assumed Currency Exchange Rates



#### **List Of Tables**

#### LIST OF TABLES

**Tumor Marker Classification** 

Major Companies Developing or Marketing ACTH Tests

Major Companies Developing or Marketing AFP Tests

Major Companies Developing or Marketing Beta-2 Microglobulin Tests

Major Companies Developing or Marketing CA 15-3/27.29 Tests

Major Companies Developing or Marketing CA 19-9 Tests

Major Companies Developing or Marketing CA 125 Tests

Major Companies Developing or Marketing Calcitonin Tests

Major Companies Developing or Marketing CEA Tests

Major Companies Developing or Marketing Estrogen Receptor Tests

Major Companies Developing or Marketing Progesterone Receptor Tests

Major Companies Developing or Marketing Ferritin Tests

Major Companies Developing or Marketing Gastrin Tests

Major Companies Developing or Marketing HCG Tests

Major Companies Developing or Marketing Insulin Tests

Major Companies Developing or Marketing NSE Tests

Major Companies Developing or Marketing Occult Blood Tests

Major Companies Developing or Marketing PAP Smear/HPV Tests

Major Companies Developing or Marketing PAP Tests

Major Companies Developing or Marketing PSA Tests

Major Companies Developing or Marketing Lymphocyte Subclassification Tests

Biochemical Markers Potential Applications In Cancer Diagnosis

Oncogenes Potential Applications In Cancer Diagnosis

Major Companies Developing or Marketing Oncogene Tests

Growth Factors Potential Applications In Cancer Diagnosis

Colony Stimulating Factors Potential Applications in Cancer Diagnosis

Lymphokines Potential Applications In Cancer Diagnosis

Immunohistochemical Stains Potential Applications in Cancer Diagnosis

Executive Summary Table: U.S., Total Tumor Marker Test Volume and Sales Forecast by Market Segment

U.S., Estimated New Cancer Cases and Deaths

U.S., Estimated Cancer Death Rates Per 100,000 Population

U.S., Laboratories Performing Tumor Marker Tests by Market Segment

U.S., Hospital Laboratories Performing Tumor Marker Tests by Bed Size

U.S., Commercial/Private Laboratories Performing Tumor Marker Tests by Annual Test



#### Volume

- U.S., Physician Office Laboratories Performing Tumor Marker Tests by Practice Size
- U.S., Total Tumor Marker Test Volume Forecast by Market Segment-201
- U.S., All Market Segments Major Tumor Marker Test Volume Forecast
- U.S., Hospital Laboratories Major Tumor Marker Test Volume Forecast by Test
- U.S., Commercial/Private Laboratories Major Tumor Marker Test Volume Forecast
- U.S., Physician Offices/Group Practices Major Tumor Marker Test Volume Forecast
- U.S., Cancer Clinics Major Tumor Marker Test Volume Forecast by Test
- U.S., Total Tumor Marker Sales Forecast by Market Segment
- U.S., All Market Segment Major Tumor Marker Sales Forecast by Test
- U.S., Hospital Laboratories Major Tumor Marker Sales Forecast by Test
- U.S., Commercial/Private Laboratories Major Tumor Marker Sales Forecast by Test
- U.S., Physician Offices/Group Practices Major Tumor Marker Sales Forecast by Test
- U.S., Cancer Clinics Major Tumor Marker Sales Forecast by Test
- U.S., ACTH Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., AFP Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Beta-2 Microglobulin Test Volume And Diagnostics Sales Forecast by Market Segment
- U.S., CA 15-3/27.29 Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., CA 19-9 Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., CA-125 Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Calcitonin Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Cathepsin Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., CEA Test Volume and Diagnostics Sales by Market Segment
- U.S., Chromogranin Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Colon-specific Antigen Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Cytokeratins Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Estrogen Receptor Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Ferritin Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Gastrin Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., HCG Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Insulin Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Interferons Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Interleukins Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Lymphocyte Subtyping Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., NSE Test Volume and Diagnostics Sales Forecast by Market Segment



- U.S., Nucleolar Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Occult Blood Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Oncogenes Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., PAP Smear Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Parathyroid Hormone Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Progesterone Receptor Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., PAP Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., PSA Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., S-100 Protein Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Serotonin Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Sialic Acid Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., TDT Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Thymidine Kinase Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Thyroglobulin Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., TPA Test Volume and Diagnostics Sales Forecast by Market Segment
- U.S., Total Tumor Marker Sales By Major Supplier
- U.S., ACTH Testing Market Diagnostics Sales by Major Supplier
- U.S., AFP Testing Market Diagnostics Sales by Major Supplier
- U.S., Beta-2 Migroblolulin Testing Market Diagnostics Sales by Major Supplier
- U.S., CA 15-3/27.29 Testing Market Diagnostics Sales by Major Supplier
- U.S., CA 19-9 Testing Market Diagnostics Sales by Major Supplier
- U.S., CA 125 Testing Market Diagnostics Sales by Major Supplier
- U.S., CEA Testing Market Diagnostics Sales by Major Supplier
- U.S., Ferritin Testing Market Diagnostics Sales by Major Supplier
- U.S., HCG Testing Market Diagnostics Sales by Major Supplier
- U.S., Insulin Testing Market Diagnostics Sales by Major Supplier
- U.S., Parathyroid Hormone Testing Market Diagnostics Sales by Major Supplier
- U.S., PAP Testing Market Diagnostics Sales by Major Supplier
- U.S., Progesterone Receptor Testing Market Diagnostics Sales by Major Supplier
- U.S., PSA Testing Market Diagnostics Sales by Major Supplier



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