

Innovative Cancer Diagnostic Technologies and Emerging Markets

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Abstracts

This unique 1,200-page report contains 450 tables, and provides test volume and sales forecasts for major tumor markers, as well as supplier sales and shares by test, market segment and country. Available by country and section. This comprehensive sevencountry report identifies and evaluates major business opportunities emerging in the cancer diagnostics market during the next ten years; examines trends in the U.S., five major European countries (France, Germany, Italy, Japan, UK) and Japan; reviews current and emerging tests; analyzes potential applications of various diagnostic technologies; forecasts sales of major tumor markers by country and market segment; profiles leading market players and potential entrants; and suggests alternative business expansion strategies for suppliers. The cancer diagnostics market is on the verge of explosion, as the researchers approach major technological breakthroughs in tumor diagnosis and therapy, discover new specific antigens, and unlock the mystery of the genetic basis of the disease. During the next ten years, the worldwide cancer testing market is promising to be an exciting, dynamic and rapidly expanding field. Anticipated technological breakthroughs will create numerous opportunities for determining genetic predisposition, detecting specific tumors, and monitoring biological response to cancer therapy. The rise in geriatric population will further compound the growing demand for malignancy assays and the rapid market expansion worldwide.



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
- i. 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
- f. Business Environment
 - 1. Market Overview
 - 2. Worldwide Market Structure
 - 3. Worldwide Market Size and Growth
- g. Personal Testing @France
- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Suppliers

GERMANY

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Suppliers

ITALY

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Suppliers

JAPAN

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Suppliers

SPAIN

- A. Executive Summary
- B. Business Environment



- C. Market Structure
- D. Market Size, Growth and Major Suppliers

U.K.

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth and Major Suppliers

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: France, Total Cancer Diagnostic Test Volume and Sales

Forecast by Market Segment

France, Estimated Cancer Death Rates Per 100,000 Population

France, Laboratories Performing Tumor Marker Tests by Market Segment

France, Hospital Laboratories Performing Tumor Marker Tests by Bed Size

France, Commercial/Private Laboratories Performing Tumor Markers by Annual Test

Volume France, Total Tumor Marker Test Volume Forecast by Market Segment



France, All Market Segments Major Tumor Marker Test Volume Forecast

France, Hospital Laboratories Major Tumor Marker Test Volume Forecast by Test

France, Commercial/Private Laboratories Marker Test Volume Forecast

France, Total Tumor Marker Sales Major Tumor Forecast by Market Segment

France, All Market Segments Major Tumor Marker Sales Forecast by Test

France, Hospital Laboratories Major Tumor Marker Sales Forecast by Test

France, Commercial/Private Laboratories Cancer Diagnostics Market Forecast by Test

France, ACTH Test Volume and Diagnostics Sales Forecast by Market Segment

France, AFP Test Volume and Diagnostics Sales Forecast by Market Segment

France, Beta-2 Microglobulin Test Volume and Diagnostics Sales Forecast by Market Segment

France, CA 15-3/27.29 Test Volume and Diagnostics Sales Forecast by Market Segment

France, CA 19-9 Test Volume and Diagnostics Sales Forecast by Market

France, CA-125 Test Volume and Diagnostics Sales Forecast by Market Segment

France, Calcitonin Test Volume and Diagnostics Sales Forecast by Market Segment

France, Cathepsin Test Volume and Diagnostics Sales Forecast by Market Segment

France, CEA Test Volume and Diagnostics Sales Forecast by Market Segment

France, Colon-Specific Antigen Test Volume And Diagnostics Sales Forecast by Market Segment

France, Cytokeratins Test Volume and Diagnostics Sales Forecast by Market Segment France, Estrogen Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

France, Ferritin Test Volume and Diagnostics Sales Forecast by Market Segment

France, Gastrin Test Volume and Diagnostics Sales Forecast by Market Segment

France, HCG Test Volume and Diagnostics Sales Forecast by Market Segment

France, Insulin Test Volume and Diagnostics Sales Forecast by Market Segment

France, Interferons Test Volume and Diagnostics Sales Forecast by Market Segment

France, Interleukins Test Volume and Diagnostics Sales Forecast by Market Segment

France, Lymphocyte Subtyping Test Volume And Diagnostics Sales Forecast by Market Segment

France, NSE Test Volume and Diagnostics Sales Forecast by Market Segment

France, Nucleolar Test Volume and Diagnostics Sales Forecast by Market Segment

France, Occult Blood Test Volume and Diagnostics Sales Forecast by Market Segment

France, Oncogenes Test Volume and Diagnostics Sales Forecast by Market Segment

France, Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast by

Market Segment

France, PAP Smear Test Volume and Diagnostics Sales Forecast by Market Segment

France, Parathyroid Hormone Test Volume and Diagnostics Sales Forecast by Market



Segment

France, Progesterone Receptor Test Volume And Diagnostics Sales Forecast by Market Segment

France, PAP Test Volume and Diagnostics Sales Forecast by Market Segment

France, PSA Test Volume and Diagnostics Sales Forecast by Market Segment

France, S-100 Protein Test Volume and Sales Diagnostics Sales Forecast by Market Segment

France, Serotonin Test Volume and

Diagnostics Sales Forecast by Market Segment

France, Sialic Acid Test Volume and Diagnostics Sales Forecast by Market Segment

France, Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales

Forecast by Market Segment

France, TDT Test Volume and Diagnostics Sales Forecast by Market Segment

France, Thymidine Kinase Test Volume And Diagnostics Sales Forecast by Market Segment

France, Thyroglobulin Test Volume and Diagnostics Sales Forecast by Market Segment

France, TPA Test Volume and Diagnostics Sales Forecast by Market Segment

France, Total Tumor Marker Sales By Major Suppliers

France, AFP Testing Market Diagnostics Sales by Major Supplier

France, CA 15-3 Testing Market Diagnostics Sales by Major Supplier

France, CA 19-9 Testing Market Diagnostics Sales by Major Supplier

France, CA 125 Testing Market Diagnostics Sales by Major Supplier

France, CEA Testing Market Diagnostics Sales by Major Supplier

France, NSE Testing Market Diagnostics Sales by Major Supplier

France, PAP Testing Market Diagnostics Sales by Major Supplier

France, PSA Testing Market Diagnostics Sales by Major Supplier

Executive Summary Table: Germany, Total Tumor Marker Test Volume and Sales Forecast By Market Segment

Germany, Estimated Cancer Death Rates Per 100,000 Population

Germany, Laboratories Performing Tumor Marker Tests by Market Segment

Germany, Hospital Laboratories Performing Tumor Marker Tests by Bed Size

Germany, Commercial/Private Laboratories Performing Tumor Markers by Annual Test Volume

Germany, Total Tumor Marker Test Volume Forecast by Market Segment

Germany, All Market Segments, Major Tumor Marker Test Volume Forecast

Germany, Hospital Laboratories, Major Tumor Marker Test Volume Forecast by Test

Germany, Commercial/Private Laboratories Major Tumor Marker Test Volume Forecast

Germany, Physician Offices/Group Practices Major Tumor Marker Test Volume

Forecast



Germany, Total Tumor Marker Sales Forecast by Market Segment

Germany, All Market Segments Major Tumor Marker Sales Forecast by Test

Germany, Hospital Laboratories, Major Tumor Marker Sales Forecast by Test

Germany, Commercial/Private Laboratories Major Tumor Marker Sales Forecast by Test

Germany, Physician Offices/Group Practices Major Tumor Marker Sales Forecast by Test

Germany, ACTH Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, AFP Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Beta-2 Microglobulin Test Volume And Diagnostics Sales Forecast by Market Segment

Germany, CA-15-3/27.29 Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, CA-19 Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, CA 125 Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Calcitonin Test Volume And Diagnostic Sales Forecast by Market Segment

Germany, Cathepsin Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, CEA Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Chromogranin Test Volume And Diagnostics Sales Forecast by Market Segment

Germany, Colon-Specific Antigen Test Volume And Diagnostics Sales Forecast by Market Segment

Germany, Cytokeratins Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Estrogen Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Ferritin Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Gastrin Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, HCG, Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Insulin Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Interferons Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Interleukins Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Lymphocyte Subtyping Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, NSE Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Occult Blood Test Volume and Diagnostics Sales Forecast by Market

Segment

Germany, Oncogenes Test Volume and Diagnostics Sales Forecast by Market Segment Germany, Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast



by Market Segment

Germany, Pap Smear Test Volume and Diagnostics Sales Forecast by Market Segment Germany, Parathyroid Hormone Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Progesterone Receptor Test Volume And Diagnostics Sales Forecast by Market Segment

Germany, PAP Test Volume and Diagnostics Sales Forecast by Market Segment Germany, PSA Test Volume and Diagnostics Sales Forecast by Market Segment Germany, S-100 Protein Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Serotonin Test Volume and Diagnostics Sales Forecast by Mar Segment Germany, Sialic Acid Test Volume and Diagnostics Sales Forecast by Market Segment Germany, Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales Forecast By Market Segment

Germany, TDT Test Volume and Diagnostics Sales Forecast by Market Segment Germany, Thymidine Kinase Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Thyroglobulin Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, TPA Test Volume and Diagnostics Sales Forecast by Market Segment

Germany, Total Tumor Marker Sales By Major Supplier

Germany, AFP Testing Market Diagnostics Sales by Major Supplier

Germany CA 15-3/27.29 Testing Market Diagnostics Sales by Major Supplier

Germany CA 19-9 Testing Market Diagnostics Sales by Major Supplier

Germany, CA 125 Testing Market Diagnostics Sales by Major Supplier

Germany, CEA Testing Market Diagnostics Sales by Major Supplier

Germany, PSA Testing Market Diagnostics Sales by Major Supplier

Executive Summary Table: Italy, Total Tumor Marker Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Estimated Cancer Death Rates Per 100,000 Population

Italy, Laboratories Performing Tumor Marker Tests by Market Segment

Italy, Hospital Laboratories Performing Tumor Marker Tests by Bed Size

Italy, Commercial/Private Laboratories Performing Tumor Markers by Annual Test Volume

Italy, Total Tumor Marker Test Volume Forecast by Market Segment

Italy, All Market Segments Major Cancer Diagnostic Test Volume Forecast

Italy, Hospital Laboratories Major Tumor Marker Test Volume Forecast Italy,

Commercial/Private Laboratories Major Tumor Marker Test Volume Forecast Italy, Total Tumor Marker Test Market Forecast by Market Segment



Italy, All Market Segments Major Tumor Marker Sales Forecast by Test

Italy, Hospital Laboratories Major Tumor Marker Forecast by Test

Italy, Commercial/Private Laboratories Major Tumor Marker Sales Forecast by Test

Italy, ACTH Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, AFP Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Beta-2 Microglobulin Test Volume And Diagnostics Sales Forecast by Market Segment

Italy, CA 15-3/27.29 Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, CA-19-9 Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, CA 125 Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Calcitonin Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, CEA Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Chromogranin Test Volume And Diagnostics Sales Forecast by Market Segment

Italy, Colon Specific Antigen Test Volume And Diagnostics Sales Forecast by Market Segment

Italy, Cytokeratins Test Volume and Diagnostics Sales Forecast by Market Segment Italy, Estrogen Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Ferritin Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Gastrin Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, HCG Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Insulin Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Lymphocyte Subtyping Test Volume And Diagnostics Sales Forecast by Market Segment

Italy, NSE Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Occult Blood Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Oncogenes Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, PAP Smear Test Volume and Diagnostics Sales Forecast by Market Segment Italy, Parathyroid Hormone Test Volume and Diagnostics Sales Forecast by Market

Segment

Italy, Progesterone Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, PAP Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, PSA Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, S-100 Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Serotonin Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Sialic Acid Test Volume and Diagnostics Sales Forecast by Market Segment



Italy, Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, TDT Test Volume and Diagnostics Sales Forecast by Market Segment Italy, Thymidine Kinase Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Thyroglobulin Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, TPA Test Volume and Diagnostics Sales Forecast by Market Segment

Italy, Total Tumor Markers Sales by Major Suppliers

Italy, AFP Testing Market Diagnostics Sales by Major Supplier

Italy, CEA Testing Market Diagnostics Sales by Major Supplier

Italy, PSA Testing Market Diagnostics Sales by Major Supplier

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

Japan, Estimated Cancer Death Rates Per 100,000 Population
Japan, Laboratories Performing Tumor Marker Tests by Market Segment
Japan, Hospital Laboratories Performing Tumor Marker Tests by Bed Size
Commercial/Private Laboratories Performing Tumor Marker Tests By Annual Test
Volume

Japan, Total Tumor Marker Testing Volume Forecast by Market Segment

Japan, All Market Segments Major Tumor Marker Test Volume Forecast Japan,
Hospital Laboratories Major Tumor Marker Test Volume Forecast by Test Japan,
Commercial/Private Laboratories Major Tumor Marker Test Volume Forecast Japan,
Total Tumor Marker Sales Forecast by Market Segment
Japan, All Market Segments Major Tumor Marker Sales Forecast by Test Japan,
Hospital Laboratories Major Tumor Marker Sales Forecast by Test Japan,
Commercial/Private Laboratories Major Tumor Marker Sales Forecast by Test
Japan, ACTH Test Volume and Diagnostics Sales Forecast by Market Segment
Japan, Beta-2 Microglobulin Test Volume and Diagnostics Sales Forecast by Market
Segment

Japan, CA 15-3/27.29 Test Volume and Diagnostics Sales Forecast by Market Segment Japan, CA 19-9 Test Volume and Diagnostics Sales Forecast by Market Segment Japan, CA-125 Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Calcitonin Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Cathepsin Test Volume and Diagnostics Sales Forecast by Market Segment Japan, CEA Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Chromogranin Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Colon-Specific Antigen Test Volume And Diagnostics Sales Forecast by Market Segment Segment



Japan, Cytokeratins Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Estrogen Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

Japan, Ferritin Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Gastrin Test Volume and Diagnostics Sales Forecast by Market Segment Japan, HCG Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Insulin Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Interferons Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Interleukins Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Lymphocyte Subtyping Test Volume and Diagnostics Sales Forecast by Market Segment Segment

Japan, NSE Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Nucleolar Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Occult Blood Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Oncogenes Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast by Market Segment

Japan, PAP Smear Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Parathyroid Hormone Test Volume and Diagnostics Sales Forecast by Market Segment

Japan, Progesterone Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

Japan, PAP Test Volume and Diagnostics Sales Forecast by Market Segment Japan, PSA Test Volume and Diagnostics Sales Forecast by Market Segment Japan, S-100 Protein Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Serotonin Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Sialic Acid Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales Forecast by Market Segment

Japan, TDT Test Volume and Diagnostics Sales Forecast by Market Segment Japan, Thymidine Kinase Test Volume and Diagnostics Sales Forecast by Market Segment

Japan, Thyroglobulin Test Volume and Diagnostics Sales Forecast by Market Segment

Japan, TPA, Test Volume and Diagnostics Sales Forecast by Market Segment

Japan, Total Tumor Marker Sales by Major Suppliers

Japan, AFP Testing Market Diagnostics Sales by Major Supplier

Japan, CA 15-3/27.29 Testing Market Diagnostics Sales by Major Supplier

Japan, CA 19-9 Testing Market Diagnostics Sales by Major Supplier

Japan, CA 125 Testing Market Diagnostics Sales by Major Supplier



Japan, Calcitonin Testing Market Diagnostics Sales by Major Supplier

Japan, PAP Testing Market Diagnostics Sales by Major Supplier

Japan, PSA Testing Market Diagnostics Sales by Major Supplier

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

Spain, Estimated Cancer Death Rates Per 100,000 Population

Spain, Laboratories Performing Tumor Marker Tests by Market Segment

Spain, Hospital Laboratories Performing Tumor Marker Tests by Bed Size

Spain, Commercial/Private Laboratories Performing Tumor Markers by Annual Test

Volume Spain, Total Tumor Marker Test Volume Forecast by Market Segment

Spain, All Market Segment Major Cancer Diagnostic Test Volume Forecast Spain,

Hospital Laboratories Major Cancer Diagnostic Test Volume Forecast by Test Spain,

Commercial/Private Laboratories Major Tumor Marker Test Volume Forecast Spain,

Total Tumor Marker Sales Forecast by Market Segment

Spain, All Market Segments Major Tumor Marker Sales Forecast by Test Spain,

Hospital Laboratories Major Tumor Marker Sales Forecast by Test Spain,

Commercial/Private Laboratories Major Tumor Marker Sales Forecast by Test Spain,

AFP Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Beta-2 Microglobulin Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, CA 15-3 Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, CA 19-9 Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, CA-125 Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Calcitonin Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, CEA Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Colon-Specific Antigen Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Estrogen Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Ferritin Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Gastrin Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, HCG Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Insulin Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Lymphocyte Subtyping Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, NSE Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Occult Blood Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Oncogenes Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast by



Market Segment

Spain, PAP Smear Test Volume and Diagnostics Sales Forecast by Market Segment Spain, Parathyroid Hormone Test Volume And Diagnostics Sales Forecast by Market Segment

Spain, Progesterone Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, PAP Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, PSA Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, S-100 Protein Test Volume And Diagnostics Sales Forecast by Market Segment

Spain, Serotonin Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Sialic Acid Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, TDT Test Volume and Diagnostics Sales Forecast by Market Segment Spain, Thymidine Kinase Test Volume and Diagnostics Sales Forecast by Market

Segment

Spain, Thyroglobulin Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, TPA Test Volume and Diagnostics Sales Forecast by Market Segment

Spain, Total Tumor Marker Sales by Major Suppliers

Spain, AFP Testing Market Diagnostics Sales by Major Supplier

Spain, CA 15-3/27.29 Testing Market Diagnostics Sales by Major Supplier

Spain, 19-9 Testing Market Diagnostics Sales by Major Supplier

Spain, CA 125 Testing Market Diagnostics Sales by Major Supplier

Spain, CEA Testing Market Diagnostics Sales by Major Supplier

Spain, PSA Testing Market Diagnostics Sales by Major Supplier

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

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

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

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

U.K., Commercial/Private Laboratories Performing Tumor Marker Tests by Annual Test Volume U.K., Total Tumor Marker Testing Volume Forecast by Market Segment

U.K., All Market Segments Major Tumor Marker Test Volume Forecast

U.K., Hospital Laboratories Major Tumor Marker Test Volume Forecast by Test U.K., Commercial/Private Laboratories Major Tumor Marker Test Volume Forecast U.K., Total Tumor Marker Sales Forecast by Market Segment

U.K., All Market Segments Major Tumor Marker Sales Forecast by Test U.K., Hospital Laboratories Major Tumor Marker Sales Forecast by Test U.K., Commercial/Private Laboratories Major Tumor Marker Sales Forecast by Test U.K., ACTH Test Volume and



Diagnostics Sales Forecast by Market Segment

U.K., AFP Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Beta-2 Microglobulin Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., CA 15-3/27.29 Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., CA 19-9 Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., CA-125 Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Calcitonin Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., CEA Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Chromogranin Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Colon-Specific Antigen Test Volume And Diagnostics Sales by Market Segment

U.K., Cytokeratins Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Estrogen Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Ferritin Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Gastrin Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., HCG Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Insulin Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Lymphocyte Subtyping Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., NSE Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Occult Blood Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Oncogenes Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., PAP Smear Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Parathyroid Hormone Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Progesterone Receptor Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., PAP Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., PSA Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., S-100 Protein Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Serotonin Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Sialic Acid Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., TDT Test Volume and Diagnostics Sales Forecast by Market Segment

U.K., Thymidine Kinase Test Volume and Diagnostics Sales Forecast by Market



Segment

- U.K., Thyroglobulin Test Volume and Diagnostics Sales Forecast by Market Segment
- U.K., TPA Test Volume and Diagnostics Sales Forecast by Market Segment
- U.K., Total Tumor Marker Sales and Market Shares Forecast U.K., CEA Testing Market Diagnostics Sales by Major Supplier
- U.K., PSA Testing Market Diagnostics Sales by Major Supplier
- 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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