

# **2021 North America Cancer Diagnostics Market Assessment: US, Canada, Mexico-Competitive Shares and Growth Strategies, Volume and Sales Segment Forecasts for Major Tumor Markers, Latest Technologies and Instrumentation Pipeline, Emerging Opportunities for Suppliers**

<https://marketpublishers.com/r/26B35FD27F09EN.html>

Date: January 2021

Pages: 630

Price: US\$ 9,500.00 (Single User License)

ID: 26B35FD27F09EN

## **Abstracts**

This new 3-country report from LeadingMarketResearch.com is available by country, market segment, section, or individual test.

The report is available by section, and can be customized to specific information needs and budget.

This report is designed to assist diagnostics industry executives, as well as companies planning to diversify into the dynamic and rapidly expanding cancer diagnostic testing market, in evaluating emerging opportunities and developing effective business strategies during the next five years.

The report provides granular market segmentation analysis and forecasts for over 40 tumor markers; profiles leading suppliers and recent market entrants with innovative technologies and products; reviews current and emerging assays; reviews current instrumentation; evaluates emerging technologies; and offers specific opportunities and growth strategies for suppliers.

### **Rationale**

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 five years, the worldwide cancer diagnostics 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.

## Country Analyses

Canada, Mexico, USA

## Business Opportunities and Strategic Recommendations

Specific new product development opportunities with potentially significant market appeal during the next five years.

Design criteria for new products.

Alternative market penetration strategies.

Potential market entry barriers and risks.

## Over 200 Current and Emerging Cancer Diagnostic Tests

Oncogenes

Biochemical Markers

Growth Factors

Colony Stimulating Factors

Hormones

Immunohistochemical Stains

## Lymphokines

ACTH, AFP, Beta-2 Microglobulin, CA 15-3/27.29, CA 19-9, CA 125, Calcitonin, Cathepsin, CEA, Chromogranin, Colon-Specific Antigen, Cytokeratins, Estrogen Receptor, Ferritin, Gastrin, HCG, Insulin, Interferons, Interleukins, Lymphocyte Subtyping, Neuron-Specific Enolase, Nucleolar, Occult Blood, Oncogenes, Pancreatic Oncofetal Antigen, Pap Smear, Parathyroid Hormone, Progesterone Receptor, Prostatic Acid Phosphatase, Prostatic Specific Antigen, S-100 Protein, Serotonin, Sialic Acid, Squamous Cell Carcinoma Ag, TDT, Thymidine Kinase, Thyroglobulin, Tissue Polypeptide Antigen, and others.

## Supplier Shares, Sales and Volume Forecasts

Sales and market shares of major cancer diagnostic product suppliers in major countries by individual test.

Five-year test volume and sales forecasts for major cancer diagnostic assays.

## Instrumentation Review

Analysis of major molecular diagnostic and immunodiagnostic analyzers used for cancer testing, including their operating characteristics, features and selling prices.

## Technology Assessment

Assessment of latest technologies and their potential applications for cancer diagnostic testing.

Review of competing/complementing technologies.

Companies, universities and research centers developing new cancer diagnostic tests and detection technologies.

## Competitive Strategies

Strategic assessments of major suppliers and start-up firms developing innovative

cancer diagnostic technologies and products, including their sales, product portfolios, marketing tactics, collaborative arrangements, and new products in R&D.

The companies analyzed in the report include:

Abbott, Affymetrix, Beckman Coulter/Danaher, Becton Dickinson, bioMerieux, Bio-Rad, Cepheid, DiaSorin, Eiken Chemical, Elitech Group, Enzo Biochem, Fujirebio, Grifols, Hologic, Leica Biosystems, Ortho-Clinical Diagnostics, PerkinElmer, Qiagen, Roche, Siemens Healthineers, Takara Bio, Thermo Fisher, Wako and others.

Contains 630 pages and 107 tables

## Contents

### **I. INTRODUCTION**

### **II. WORLDWIDE MARKET OVERVIEW**

### **III. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES**

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

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

### **V. ALTERNATIVE MARKET PENETRATION STRATEGIES**

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies

### **VI. 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

### **VII. WORLDWIDE MARKET AND TECHNOLOGY OVERVIEW**

- A. Cancer Statistics and Etiology
  - 1. Breast 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. Carcinoembryonic 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
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 and others
- 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

CA 72-4/TAG-72

CA

CA-242

CA-549

CAM

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  
Kinases  
KP16D3  
LAI  
Leukocyte Common Antigen  
Lewis Antigens  
Lysophosphatidic Acid (LPA)  
Ma 695/Ma  
MABDF3  
MAG  
ME1  
Minactivin  
MN/CA9  
MSA  
Mucin Cancer Antigen (MCA)  
Multiple Tumor Suppressor  
Myosin  
NEA-130  
NMP22  
OA-519  
Opioid Peptides  
P-glycoprotein  
Pancreatic Oncofetal Antigen (POA)  
Placental Lactogen  
PR92  
Proliferative Index, Ki-67  
Px  
RB Inactivation/Deletion  
Ret  
SCCL

Selectin  
Sialic Acid  
Sialyl SSEA-1/SLX  
SN10  
Somatostatin  
TA-90  
TABA  
Tachykinin  
TAG  
TPS  
Troponin  
Tubulin  
VCAM  
VEGF  
Villen and others

#### C. Cancer Diagnostic Testing Instrumentation Review and Market Needs

#### D. Current and Emerging Cancer Diagnostic Technologies

1. Monoclonal and Polyclonal Antibodies
2. Immunoassays
3. Molecular Diagnostics
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

#### E. Personal Testing

### **VIII. COUNTRY MARKET ANALYSES: TEST VOLUME AND SALES FORECASTS, SUPPLIER SHARES**

Canada

Mexico  
U.S.A.

## **IX. COMPETITIVE PROFILES**

The report provides strategic assessments of over 30 leading cancer diagnostics market players and start-up companies with innovative technologies and products, including:

Abbott

Affymetrix

Beckman Coulter/Danaher

Becton Dickinson

bioMerieux

Bio-Rad

Cepheid

DiaSorin

Eiken Chemical

Elitech Group

Enzo Biochem

Fujirebio

Grifols

Hologic

Leica Biosystems

Ortho-Clinical Diagnostics

PerkinElmer

Qiagen

Roche

Siemens Healthineers

Takara Bio

Thermo Fisher

Wako and others.

## List Of Tables

### LIST OF TABLES

Canada Cancer Diagnostic Volume Forecasts by Test  
Canada Cancer Diagnostics Sales Forecasts by Test  
Mexico Cancer Diagnostic Volume Forecasts by Test  
Mexico Cancer Diagnostics Sales Forecasts by Test  
U.S.A. Executive Summary Table: Total Tumor Marker Test Volume and Sales Forecast by Market Segment  
U.S.A., Estimated New Cancer Cases and Deaths  
U.S.A., Estimated Cancer Death Rates Per 100,000 Population  
U.S.A., Laboratories Performing Tumor Marker Tests by Market Segment  
U.S.A., Hospital Laboratories Performing Tumor Marker Tests by Bed Size  
U.S.A., Commercial/Private Laboratories Performing Tumor Marker Tests by Annual Test Volume  
U.S.A., Physician Office Laboratories Performing Tumor Marker Tests by Practice Size  
U.S.A., Total Tumor Marker Test Volume Forecast by Market Segment  
U.S.A., All Market Segments Major Tumor Marker Test Volume Forecast  
U.S.A., Hospital Laboratories Major Tumor Marker Test Volume Forecast by Test  
U.S.A., Commercial/Private Laboratories Major Tumor Marker Test Volume Forecast  
U.S.A., Physician Offices/Group Practices Major Tumor Marker Test Volume Forecast  
U.S.A., Cancer Clinics Major Tumor Marker Test Volume Forecast by Test  
U.S.A., Total Tumor Marker Sales Forecast by Market Segment  
U.S.A., All Market Segment Major Tumor Marker Sales Forecast by Test  
U.S.A., Hospital Laboratories Major Tumor Marker Sales Forecast by Test  
U.S.A., Commercial/Private Laboratories Major Tumor Marker Sales Forecast by Test  
U.S.A., Physician Offices/Group Practices Major Tumor Marker Sales Forecast by Test  
U.S.A., Cancer Clinics Major Tumor Marker Sales Forecast by Test  
U.S.A., ACTH Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., AFP Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Beta-2 Microglobulin Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., CA 15-3/27.29 Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., CA 19-9 Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., CA-125 Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Calcitonin Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Cathepsin Test Volume and Diagnostics Sales Forecast by Market Segment

U.S.A., CEA Test Volume and Diagnostics Sales by Market Segment  
U.S.A., Chromogranin Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Colon-specific Antigen Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Cytokeratins Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Estrogen Receptor Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Ferritin Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Gastrin Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., HCG Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Insulin Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Interferons Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Interleukins Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Lymphocyte Subtyping Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., NSE Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Nucleolar Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Occult Blood Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Oncogenes Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., PAP Smear Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Parathyroid Hormone Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Progesterone Receptor Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., PAP Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., PSA Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., S-100 Protein Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Serotonin Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Sialic Acid Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., TDT Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Thymidine Kinase Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Thyroglobulin Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., TPA Test Volume and Diagnostics Sales Forecast by Market Segment  
U.S.A., Total Tumor Marker Sales by Major Supplier

U.S.A., ACTH Testing Market Diagnostics Sales by Major Supplier  
U.S.A., AFP Testing Market Diagnostics Sales by Major Supplier  
U.S.A., Beta-2 Microglobulin Testing Market Diagnostics Sales by Major Supplier  
U.S.A., CA 15-3/27.29 Testing Market Diagnostics Sales by Major Supplier  
U.S.A., CA 19-9 Testing Market Diagnostics Sales by Major Supplier  
U.S.A., CA 125 Testing Market Diagnostics Sales by Major Supplier  
U.S.A., CEA Testing Market Diagnostics Sales by Major Supplier  
U.S.A., Ferritin Testing Market Diagnostics Sales by Major Supplier  
U.S.A., HCG Testing Market Diagnostics Sales by Major Supplier  
U.S.A., Insulin Testing Market Diagnostics Sales by Major Supplier  
U.S.A., Parathyroid Hormone Testing Market Diagnostics Sales by Major Supplier  
U.S.A., PAP Testing Market Diagnostics Sales by Major Supplier  
U.S.A., Progesterone Receptor Testing Market Diagnostics Sales by Major Supplier  
U.S.A., PSA Testing Market Diagnostics Sales by Major Supplier  
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

## I would like to order

Product name: 2021 North America Cancer Diagnostics Market Assessment: US, Canada, Mexico-Competitive Shares and Growth Strategies, Volume and Sales Segment Forecasts for Major Tumor Markers, Latest Technologies and Instrumentation Pipeline, Emerging Opportunities for Suppliers

Product link: <https://marketpublishers.com/r/26B35FD27F09EN.html>

Price: US\$ 9,500.00 (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/26B35FD27F09EN.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