

2016 New Frontiers in the US Cancer Diagnostics Market: Business Challenges, Emerging Technologies, Competitive Landscape

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Abstracts

Complete report **\$9,800**. DataPack (test volumes, sales forecasts, supplier shares) **\$6,400**.

“**2016 New Frontiers in the US Cancer Diagnostics Market**” is VPGMarketResearch’s new study of the major business opportunities emerging in the U.S. cancer diagnostics market during the next five years. The report examines trends in the U.S. cancer diagnostics markets, reviews current and emerging assays; analyzes potential applications of new diagnostic technologies; forecasts sales of major tumor markers by market segment; profiles leading players and potential market entrants; and identifies specific business opportunities 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.

U.S. Market Overview

- Five-year test volume and sales projections.
- Comprehensive market segmentation analysis, including review of the market dynamics, structure, size, growth and major suppliers.
- Estimated universe of laboratories performing cancer diagnostic testing.
- Cancer statistics, etiology and recent developments.

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 Test

- Biochemical Markers
- Oncogenes
- Growth Factors
- Hormones
- Colony Stimulating Factors
- Lymphokines
- Immunohistochemical Stains, and others.
- 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 by individual test.

- Five-year test volume and sales forecasts

for major tumor markers by market segment, including:

- Hospitals

- Commercial/Private Laboratories

- Physician Offices/Group Practices

- Cancer Clinics

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 molecular diagnostic methods, biochips/microarrays, biosensors, monoclonal antibodies, immunoassays, chromosome analysis, IT, artificial intelligence, flow cytometry, and other technologies and their potential applications for cancer diagnostic testing.
- Review of competing/complementing technologies, including CT, MRI, NMR, PET and photonics spectroscopy.
- Extensive listings of 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 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
- AdnaGen/Alere
- Agilent Technologies
- Applied Gene Technologies
- Arca Biopharma
- Beckman Coulter/Danaher
- Becton Dickinson
- Biomedical Diagnostics
- bioMerieux
- Bio-Rad
- CellSearch
- Cepheid
- Correlogic Systems/Vermillion
- Decode Genetics
- Diadexus
- Diagnocure
- DiaSorin
- Eiken Chemical
- Elitech Group
- Epigenomics

- Enterix
- Enzo Biochem
- Exact Sciences
- Fujirebio
- Guided Therapeutics
- Hologic/Gen-Probe
- Kreatech/Leica
- Kyowa Medex
- Mackay Life Sciences
- Myriad Genetics
- OncoLab
- Ortho-Clinical Diagnostics
- Panacea Pharmaceuticals
- Polartechnics
- Polymedco
- PreMD
- Qiagen
- Quest Diagnostics
- Radient Pharmaceuticals

- Roche
- Scienion
- Sequenom
- Siemens Healthcare
- Takara Bio
- Targeted Diagnostics & Therapeutics
- Thermo Fisher
- Tosoh
- Veridex
- Wako Pure Chemicals
- Wallac/PE
- Zilla

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18. PAP Smear/HPV
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20. Prostate-Specific Antigen (PSA)
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23. TdT
24. Thyroglobulin
25. Tissue Polypeptide Antigen (TPA)

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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

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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

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 - Alpha-Actin
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 - 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

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- c. Sequencing
- d. Microarrays/Biochips

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- 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
- 4. Chromosome Analysis
 - a. Chronic Myelogenous Leukemia (CML)
 - b. Acute Myeloid Leukemia (AML)
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AdnaGen
Agilent Technologies
Applied Gene Technologies
Arca Pharma
Beckman Coulter/Danaher
Becton Dickinson
Biomedical Diagnostics
bioMerieux
Bio-Rad
CellSearch
Cepheid
Correlogic Systems/Vermillion
Decode Genetics
Diadexus
Diagnocure
Diasorin
Eiken Chemical
Elitech Group
Epigenomics
Enterix
Enzo Biochem
Exact Sciences
Fujirebio
Guided Therapeutics
Hologic/Gen-Probe
Kreatech/Leica
Kyowa Medex
Mackay Life Sciences
Myriad Genetics
OncoLab
Ortho-Clinical Diagnostics
Panacea Pharmaceuticals
Polartechnics
Polymedco
PreMD
Qiagen
Quest Diagnostics
Radient Pharmaceuticals

Roche
Scienion
Sequenom
Siemens Healthcare
Takara Bio
Targeted Diagnostics & Therapeutics
Thermo Fisher
Tosoh
Veridex
Wako Pure Chemicals
Wallac/PE
Zila

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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

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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 Forecast 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
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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
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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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