

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.

New Frontiers in the U.S. Cancer Diagnostics Market: Business Challenges, Emerging Technologies, Competitive Landscape is Venture Planning Groups new study of the major business opportunities emerging in the U.S. cancer diagnostics market during the nextfive 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

New Frontiers in the US Cancer Diagnostics Market: Business Challenges, Emerging Technologies, Competitive Lan...



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 immunodignostic 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

Agilent Technologies

Applied Gene Technologies

Arca/Nuvelo

Beckman Coulter/Danaher

Becton Dickinson

Biomedical Diagnostics

bioMerieux

Bio-Rad

CellSearch

Cepheid

Correlogic Systems/Vermillion



Decode

Diadexus

Diagnocure

DiaSorin

Eiken Chemical

Epigenomics

Enterix

Enzo Biochem

Exact Sciences

Fujirebio/Innogenetics

Guided Therapeutics

Hologic/Gen-Probe

Kreatech

Kyowa Medex

Mackay Life Sciences

Myriad Genetics

Nanogen Elitech

OncoLab

Ortho-Clinical Diagnostics



Panacea Pharmaceuticals

Polartechnics

Polymedco

PreMD

Qiagen/Ipsogen

Quest Diagnostics

Radient Pharmaceuticals

Roche

Scienion

Sequenom

Siemens Healthcare

Takara Bio

Targeted Diagnostics & Therapeutics

Thermo Fisher/Life Technologies

Tosoh

Veridex

Wako Pure Chemicals

Wallac/PE

Zilla



Contains 620 pages and 103 tables



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 - 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

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Abbott AdnaGen **Agilent Technologies Applied Gene Technologies** Arca/Nuvelo Beckman Coulter/Danaher **Becton Dickinson Biomedical Diagnostics** bioMerieux **Bio-Rad** CellSearch Cepheid Correlogic Systems/Vermillion Decode Diadexus Diagnocure Diasorin **Eiken Chemical Epigenomics** Enterix Enzo Biochem **Exact Sciences** Fujirebio/Innogenetics **Guided Therapeutics** Hologic/Gen-Probe **Kreatech** Kyowa Medex Mackay Life Sciences **Myriad Genetics** Nanogen Elitech OncoLab **Ortho-Clinical Diagnostics** Panacea Pharmaceuticals Polartechnics Polymedco PreMD Qiagen/Ipsogen **Quest Diagnostics Radient Pharmaceuticals**



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

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