

# China Tumor Marker Testing Market, 2019-2023: Supplier Shares and Strategies, Volume and Sales Forecasts, Emerging Tests, Technologies and Opportunities

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## **Abstracts**

This new report from LeadingMarketResearch.com provides a strategic analysis of the major business opportunities emerging in the cancer diagnostics market during the next five years. The report examines emerging trends in the cancer diagnostics market; reviews current and emerging tests; analyzes potential applications of innovative technologies; forecasts volume and sales for major cancer diagnostics tests; profiles leading market players and potential entrants; and suggests alternative market expansion 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 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.

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.

Cancer Diagnostic Tests Analyzed in the Report--over 200 current and emerging assays, including Biochemical Markers, Oncogenes, Growth Factors, Hormones, Colony Stimulating Factors, Lymphokines and Immunohistochemical Stains, such as:

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.

#### Instrumentation Review

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

## Technology Review

Assessment of monoclonal antibodies, immunoassays, DNA probes, biochips/microarrays, chromosome analysis, IT, artificial intelligence, flow cytometry, biosensors, 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 Assessments

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.

Contains 535 pages and 70 tables



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  - 22. T and B Lymphocytes
  - 23. TdT



- 24. Thyroglobulin
- 25. Tissue Polypeptide Antigen (TPA)
- 26. Biochemical Cancer Diagnostics
- 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 Cancer Diagnostics

N-Acetylglucosamine

Actin

Alpha-Actin

**Antineuronal Antibodies** 

7B2

B7-2.3

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

**Opiod 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

## **VIII. INSTRUMENTATION REVIEW AND MARKET NEEDS**

## IX. CURRENT AND EMERGING 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

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**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

**Enterix** 

Enzo Biochem

**Epigenomics** 

**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

Tosoh

Thermo Fisher/Affimetrix

Veridex

Wako Pure Chemicals

Wallac/PE

Zila

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Beta-2 Microglobulin Test Volume and Diagnostics Sales Forecast

CA 15-3/27.29 Test Volume and Diagnostics Sales Forecast

CA 19-9 Test Volume and Diagnostics Sales Forecast

CA-125 Test Volume and Diagnostics Sales Forecast

Calcitonin Test Volume and Diagnostics Sales Forecast

Cathepsin Test Volume and Diagnostics Sales Forecast

CEA Test Volume and Diagnostics Sales Forecast

Chromogranin Test Volume and Diagnostics Sales Forecast

Colon-specific Antigen Test Volume and Diagnostics Sales Forecast

Cytokeratins Test Volume and Diagnostics Sales Forecast

Estrogen Receptor Test Volume and Diagnostics Sales Forecast

Ferritin Test Volume and Diagnostics Sales Forecast

Gastrin Test Volume and Diagnostics Sales Forecast

HCG Test Volume and Diagnostics Sales Forecast

Insulin Test Volume and Diagnostics Sales Forecast

Interferons Test Volume and Diagnostics Sales

Interleukins Test Volume and Diagnostics Sales Forecast

Lymphocyte Subtyping Test Volume and Diagnostics Sales Forecast

NSE Test Volume and Diagnostics Sales Forecast

Nucleolar Test Volume and Diagnostics Sales Forecast

Occult Blood Test Volume and Diagnostics Sales Forecast

Oncogenes Test Volume and Diagnostics Sales Forecast

Pancreatic Oncofetal Antigen Test Volume and Diagnostics Sales Forecast

PAP Smear Test Volume and Diagnostics Sales Forecast

Parathyroid Hormone Test Volume and Diagnostics Sales Forecast

Progesterone Receptor Test Volume and Diagnostics Sales Forecast

PAP Test Volume and Diagnostics Sales Forecast

PSA Test Volume and Diagnostics Sales Forecast

S-100 Protein Test Volume and Diagnostics Sales Forecast

Serotonin Test Volume and Diagnostics Sales Forecast



Sialic Acid Test Volume and Diagnostics Sales Forecast

Squamous Cell Carcinoma Antigen Test Volume and Diagnostics Sales Forecast

TDT Test Volume and Diagnostics Sales Forecast

Thymidine Kinase Test Volume and Diagnostics Sales Forecast

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TPA Test Volume and Diagnostics Sales Forecast

Cancer Diagnostic 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

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Major Companies Developing or Marketing PSA Tests

Major Companies Developing or Marketing Lymphocyte Sub-classification Tests

Biochemical Markers Potential Applications in Cancer Diagnosis

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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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