

2017-2021 Cancer Diagnostics Market: Sales Forecasts by Country, Strategic Profiles of Leading Suppliers, Emerging Tests, Innovative Technologies, Instrumentation Review

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Abstracts

This new report from VPGMarketResearch.com provides analysis of the global cancer diagnostics market, including emerging tests, technologies, instrumentation, sales forecasts by country, and strategic profiles of leading suppliers. The report presents:

Estimated numbers of cancer testing laboratories, as well as test volume and sales forecasts for France, Germany, Italy, Japan, Spain, U.K. and U.S.

Marketing and technological assessment, as well as medical rationale and diagnostic prospects for major categories of circulating and cellular tests, such as Biochemical Markers, Oncogenes, Growth Factors, Hormones, Colony Stimulating Factors, Lymphokines, Immunohistochemical Stains and others.

Overview of the clinical significance and market needs for both current and emerging cancer diagnostic tests, as well as listings of companies, universities and research centers developing or marketing new technologies, products, and applications.

Review of current instrumentation used for cancer diagnostic testing.

Assessment of monoclonal antibodies, immunoassays, DNA probes, biochips/microarrays, chromosome analysis, IT, flow cytometry, biosensors, and their potential applications for cancer diagnostic testing.

Competing/complementing technologies, such as CT, MRI, NMR, PET and photonics spectroscopy.

Profiles of current and emerging suppliers of cancer diagnostic products, including their sales, product portfolios, distribution tactics, technological know-how, new products in R&D, collaborative arrangements and business strategies.

Contains 510 pages and 31 tables

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- ADA

- BProtein
- PNP

- 5'Nucleotidase
- 27. ONCOGENES
- Abl/ablcr

AIB1
BCL2
BRCA1
CD44

Cfos
Cmyb
Cmyc
CYP17

ErbB
HPC1

Nmyc
P40
P51
P53
PIK3CA
PTI1

Ras
Reg
Sis
Src

28. POLYPEPTIDE GROWTH FACTORS

Basic Fibroblast Growth Factor
BetaTGF
Cachectin (TNT)
Calmodulin
ECFR

Nerve Growth Factor (NGF)
Epidermal Growth Factor (EGF)
Ornithine Decarboxylase
Transferrin
Transforming Growth FactorAlpha

29. ECTOPIC HORMONES

30. COLONY STIMULATING FACTORS

31. LYMPHOKINES

AlphaInterferon
B Cell Growth Factors
B Cell Growth Factor (BCGF)
GammaInterferon
Interleukin1 (IL1)
Macrophage Activating Factor

32. IMMUNOHISTOCHEMICAL STAINS

33. EMERGING TUMOR MARKERS

NAcetylglucosamine

Actin

AlphaActin

Antineuronal Antibodies

7B2

B72.3

Bax

BCDF9

BLCA4

Blood Group Antigens A,B,H

CA

CA 724/TAG72

CA

CA242

CA549

CAM

CAR3

CathepsinD

Chromogranin A and B

Cluster 1 Antigen

Cluster5/5A Antigen

CTA

CU18

DR70

DUPAN2

Endometrial Bleeding Associated Factor

Endostatin

Epithelial Membrane Antigen
Feulgen Hydrolysis
Fibronectin
FSH

(1>3)Lfucosyltransferase
GastrinReleasing Peptide (GRP)
GDCFP15

Glucagon
Glycoamines
H23

Her2
Human Carcinoma Antigen
HPA
HSP27

Intermediate Filaments
Cytokeratins/CK18/Cyfra 211
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

NEA130

NMP22

OA519

Opioid Peptides

Pglycoprotein

Pancreatic Oncofetal Antigen (POA)

Placental Lactogen

PR92

Proliferative Index, Ki67

Px

RB Inactivation/Deletion

Ret

SCCL

Selectin

Sialic Acid

Sialyl SSEA1/SLX

SN10

Somatostatin

TA90

TABA

Tachykinin

TAG

TPS

Troponin

Tubulin

VCAM

VEGF

Villen

IV. Instrumentation Review: Leading Analyzers Marketed by Abbott, Beckman Coulter/Danaher, Binding Site, bioMerieux, Carolina Chemistries, DiaSorin, Horiba, Inverness/Alere, J&J, Olympus, Roche, Siemens, Tosoh, Vital Diagnostics and other suppliers

V. Current and Emerging Technologies

1. MONOCLONAL AND POLYCLONAL ANTIBODIES

2. IMMUNOASSAYS

- a. Technological Principle
- b. Radioimmunoassay (RIA)
- c. Enzyme Immunoassays (EIA)

Overview

ELISA

Immunofiltration

ParticleMembrane Capture Immunoassay

Enzyme Amplification

- d. Fluorescent Immunoassays
- e. Luminescence

Chemiluminescence

Bioluminescence

- f. Latex Agglutination
- g. Immunoprecipitation

H. Affinity Chromatographu

- e. Liposome FlowInjection Immunoassay

3. MOLECULAR DIAGNOSTICS

- a. Technology Overview
- b. Amplification Methods

PCR

DAPPCR

ImmunoPCR

QCPCR

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 (2DGE)

8. BIOSENSORS

9. COMPETING/COMPLEMENTING TECHNOLOGIES

- a. CT
- b. MRI
- c. NMR
- d. PET
- e. Photonics Spectroscopy

VI. COMPETITIVE PROFILES

Abbott

AdnaGen

Applied Gene Technologies

Arca Biopharma

Beckman Coulter/Danaher

Becton Dickinson

Biomedical Diagnostics

bioMerieux

BioRad

CellSearch

Cepheid

Decode Genetics

Diadexus

Diagnocure

Diasorin

Eiken Chemical
Elitech Group
Enterix
Enzo Biochem
Epigenomics
Exact Sciences
Fujirebio
Hologic/GenProbe
Guided Therapeutics
Kreatech/Leica
Kyowa Medex
Mackay Life Sciences
Myriad Genetics
OncoLab
OrthoClinical Diagnostics
Panacea Pharmaceuticals
Polartech
Polymedco
PreMD
Qiagen/Ipsogen
Radiant Pharmaceuticals
Roche
Scienion
Sequenom
Siemens Healthcare
Takara Bio
Targeted Diagnostics & Therapeutics
Tosoh
Thermo Fisher
Vermillion/Correlogic Systems
Wako Pure Chemicals
Wallac/PE
Zila
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Major Companies Developing or Marketing AFP Tests

Major Companies Developing or Marketing Beta2 Microglobulin Tests

Major Companies Developing or Marketing CA 153/27.29 Tests

Major Companies Developing or Marketing CA 199 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

Worldwide, All Market Segments, Laboratories Performing Cancer Diagnostic Testing

By Country

Worldwide, All Market Segments, Cancer Diagnostic Test Volume Forecasts By Country

Worldwide, All Market Segments, Cancer Diagnostics Sales Forecasts By Country

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