

2016-2020 Opportunities in the World Cancer Diagnostics Market: Emerging Tests, Innovative Technologies, Instrumentation Review, Sales Forecasts by Country, Strategic Profiles of Leading Suppliers

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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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 - 2. T AND B LYMPHOCYTES
 - 3. TDT
 - 24. Thyroglobulin
 - 25. Tissue Polypeptide Antigen (TPA)
 - 26. Biochemical Tumor Markers
- ADA
- B Protein
- PNP
 - 5' Nucleotidase
- 7. ONCOGENES
- Abl/abl bcr
- AIB1
- BCL 2

BRCA1

CD44

C fos

C myb

C myc

CYP 17

Erb B

HPC1

N myc

P40P51P53

PIK3CAPTI 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 F9BLCA 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
CTACU18 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

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

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

3. MOLECULAR DIAGNOSTICS

- a. Technology Overview
- b. Amplification Methods

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. TW DIMENSIONAL GEL ELECTROPHORESIS (2 DGE)

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
Bio Rad
CellSearch
Cepheid
Decode Genetics
Diadexus
Diagnocure
Diasorin

Eiken Chemical
Elitech Group
Enterix
Enzo Biochem
Epigenomics
Exact Sciences
Fujirebio
Hologic/Gen Probe
Guided Therapeutics
Kreatech/Leica
Kyowa Medex
Mackay Life Sciences
Myriad Genetics
OncoLab
Ortho Clinical 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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LIST OF TABLES

Tumor Marker Classification

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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

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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