

# 2015 Analysis of Cancer Diagnostic Technologies, and Strategic Profiles of Leading Suppliers

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#### **Abstracts**

This 185-page report provides detailed assessments of such technologies as monoclonal antibodies, immunoassays, DNA probes, biochips/microarrays, chromosome analysis, IT, flow cytometry, biosensors, and their potential applications for cancer diagnostic testing. Also included is a review of competing/complementing technologies, such as CT, MRI, NMR, PET and photonics spectroscopy. The report also presents strategic assessments of current and emerging suppliers of cancer diagnostic products, including their sales, product portfolios, distribution tactics, technological knowhow, new products in R&D, collaborative arrangements and business strategies.

Contains 185 pages



### **Contents**

#### **Current and Emerging Technologies**

Monoclonal and Polyclonal Antibodies 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

Molecular Diagnostics

- a. Technology Overview
- b. Amplification Methods

**PCR** 

DAP-PCR

Immuno-PCR

QC-PCR

CAR

DNA

**HPA** 

**LCR** 

**NASBA** 

**QBR** 

**SDA** 

3 SR, and others

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

Artificial Intelligence Flow Cytometry

Two Dimensional Gel Electrophoresis (2- DGE)

Biosensors Competing/Complementing Technologies

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

### **Competitive Profiles**

**Abbott** 

AdnaGen

Applied Gene Technologies

Arca

Beckman Coulter/Danaher

**Becton Dickinson** 

**Biomedical Diagnostics** 

bioMerieux

**BioRad** 

Cepheid

Correlogic Systems

Dako

Decode

Diadexus

Diagnocure

Diasorin

Eiken Chemical

Enterix

Enzo Biochem

**Epigenomics** 

**Exact Sciences** 

Fujirebio

GenProbe



**Guided Therapeutics** 

Hologic

Ipsogen

Kreatech

Kyowa Medex

Life Technologies

Mackay Life Sciences

Myriad Genetics

Nanogen.Elitech

OncoLab

OrthoClinical Diagnostics

Panacea Pharmaceuticals

Polartechnics

Polymedco

PreMD

Qiagen

Radient Pharmaceuticals

Roche

Scienion

Sequenom

Siemens Healthcare

Takara Bio

**Targeted Diagnostics & Therapeutics** 

Tosoh

Veridex

Wako Pure Chemicals

Wallac/PE

Zila



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