

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.

Contents

Current and Emerging Technologies

Monoclonal and Polyclonal Antibodies

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

Molecular Diagnostics

- a. Technology Overview
- b. Amplification Methods

PCR

DAPPCR

ImmunoPCR

QCPCR

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 (2DGE)

Biosensors

Competing/Complementing Technologies

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

COMPETITIVE PROFILES

Abbott

AdnaGen

Applied Gene Technologies

Arca Biiopharma

Beckman Coulter/Danaher

Becton Dickinson

Biomedical Diagnostics

bioMerieux

BioRad

CellSearch

Cepheid

Correlogic Systems/Vermillion

Decode Genetics

Diadexus

Diagnocure

Diasorin

Eiken Chemical

Elitech Group

Enterix

Enzo Biochem
Epigenomics
Exact Sciences
Fujirebio
Guided Therapeutics
Hologic/GenProbe
Kreatech/Leica
Kyowa Medex
Mackay Life Sciences
Myriad Genetics
OncoLab
OrthoClinical Diagnostics
Panacea Pharmaceuticals
Polartechnics
Polymedco
PreMD
Qiagen
Radiant Pharmaceuticals
Roche
Scienion
Sequenom
Siemens Healthcare
Takara Bio
Targeted Diagnostics & Therapeutics
Thermo Fisher
Tosoh
Veridex
Wako Pure Chemicals
Wallac/PE
Zila/Alere

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