

2021 Emerging 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 know-how, 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 Chromatography

- 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

The report provides strategic assessments of over 30 leading cancer diagnostics market players and start-up companies with innovative technologies and products, including:

Abbott

Affymetrix

Beckman Coulter/Danaher

Becton Dickinson

bioMerieux

Bio-Rad

Cepheid

DiaSorin

Eiken Chemical

Elitech Group

Enzo Biochem

Fujirebio

Grifols

Hologic

Leica Biosystems

Ortho-Clinical Diagnostics

PerkinElmer

Qiagen

Roche

Siemens Healthineers
Takara Bio
Thermo Fisher
Wako and others.

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