

# 2016-2020 Emerging Nucleic Acid Diagnostic Technologies and Strategic Profiles of Leading Suppliers

https://marketpublishers.com/r/27CB93C8413EN.html

Date: March 2016

Pages: 180

Price: US\$ 3,080.00 (Single User License)

ID: 27CB93C8413EN

## **Abstracts**

This 180-page report provides detailed analyses of current and emerging nucleic acid testing technologies, and their potential market applications, including DNA sequencing, RNA probes, detection technologies, biochips, genosensors, microarrays, labs-on-the-chip, and other. The report also presents strategic assessments of current and emerging suppliers of nucleic acid testing products, including their sales, product portfolios, marketing tactics, technological know-how, new products in R&D, collaborative arrangements, and business strategies.

Contains 180 pages



## **Contents**

#### **DNA SEQUENCING**

- 1. Introduction
- 2. Sequencing Methods
- 3. Autoradiography
- 4. The Human Genome Project
- 5. Sequencing Automation
- 6. Image Scanners
- 7. Fluorescent Detection
- 8. Gene Profiling
- 9. Gene Expression
- 10. Polymorphism Screening
- 11. Protein Interaction Networks

#### DNA AND RNA PROBE TECHNOLOGY

- 1. Basic Principles
- 2. Probe Preparation
- 3. The DNA Probe Test
  - a. Sample Preparation
  - b. Hybridization
  - c. Separation
  - d. Detection/Measurement
- 4. Test Formats
  - a. Filter Hybridization
  - b. Southern Blot
  - c. Northern Blot
  - d. In Situ Hybridization
  - e. Others
- 5. Labeling Techniques
- 6. Amplification Methods

Polymerase Chain Reaction

**Temperature Cyclers** 

**PCR Variations** 

Immuno-PCR

QC-PCR

DAP-PCR



Strand Displacement Activation

**TMA** 

Ligase Chain Reaction

**Branched DNA** 

**Hybridization Protection Assay** 

Nucleic-Acid Sequence-Based Amplification

Self-Sustained Sequence Replicase

Others

Ampliprobe

CAR

CAS

**CPT** 

**Dendritic Polymer Technology** 

ISO-CR

LAT

**Probe Networks** 

**RAMP** 

Repair Chain Reaction

**Rolling Circles** 

Sequence Independent Gene Amplification

Sequence Initiation Reaction

SISPA

Solid Phase Amplification

#### **DETECTION TECHNOLOGIES**

- 1. Radioactive Methods
  - a. Overview
  - b. Major Isotopes

P-32

S-35

H-3

I-125

- 2. Non-Isotopic Methods
  - a. Enzymatic Labels
  - b. Chemical Labeling

**Indirect Chemical Labeling** 

**Direct Chemical Labeling** 

c. Fluorescence



- d. Chemiluminescence
- e. Electrical Conductivity

# BIOCHIPS: GENOSENSORS, MICROARRAYS, AND LABS-ON-THE-CHIP

Liquid Transportation and Mixing

Separation

Reaction

Detection

#### **COMPETITIVE PROFILES**

Abbott

Affymetrix

**Agilent Technologies** 

Applied Gene Technologies

Arca Biopharma

Beckman Coulter/Danaher

**Becton Dickinson** 

**Biokit** 

**BioMerieux** 

Bio-Rad

**Biotest** 

Cepheid

CellMark Forensics/LabCorp

Decode

Diadexus

Eiken

Elitech Group

Enzo

**Exact Sciences** 

Fujirebio

Grifols

Hologic/Gen-Probe

Illumina

Kreatech/Leica

Li-Cor Biosciences

Monogram Biosciences

Myriad Genetics



Ortho-Clinical Diagnostics

Perkin Elmer/Caliper

Proteome Sciences

Qiagen

Roche

Scienion

Sequenom

Shimadzu

Siemens

Sierra Molecular

Takara Bio

Tecan Group

Thermo Fisher



#### I would like to order

Product name: 2016-2020 Emerging Nucleic Acid Diagnostic Technologies and Strategic Profiles of

**Leading Suppliers** 

Product link: <a href="https://marketpublishers.com/r/27CB93C8413EN.html">https://marketpublishers.com/r/27CB93C8413EN.html</a>

Price: US\$ 3,080.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/27CB93C8413EN.html">https://marketpublishers.com/r/27CB93C8413EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970



