

# **2017 Emerging Nucleic Acid Testing (NAT) Technologies and Strategic Profiles of Leading Suppliers**

<https://marketpublishers.com/r/2A77FD805B5EN.html>

Date: January 2017

Pages: 180

Price: US\$ 3,465.00 (Single User License)

ID: 2A77FD805B5EN

## **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: 2017 Emerging Nucleic Acid Testing (NAT) Technologies and Strategic Profiles of Leading Suppliers

Product link: <https://marketpublishers.com/r/2A77FD805B5EN.html>

Price: US\$ 3,465.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/2A77FD805B5EN.html>

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**

Customer signature \_\_\_\_\_

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

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

