

# World Molecular Diagnostics Market 2017: Emerging Technologies and Strategic Profiles of Leading Suppliers

<https://marketpublishers.com/r/W784961E83BEN.html>

Date: July 2017

Pages: 180

Price: US\$ 3,500.00 (Single User License)

ID: W784961E83BEN

## Abstracts

This 180- page report provides detailed analyses of current and emerging molecular diagnostic 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 molecular diagnostics 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
  - Table of Contents (continued)
  - 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  
Applied Gene Technologies  
Arca  
Beckman Coulter/Danaher  
Becton Dickinson  
Biokit  
BioMerieux  
Bio-Rad  
Biotest  
Caliper  
Cepheid  
Decode  
Diadexus  
Eiken  
Enzo  
Exact Sciences  
Fujirebio  
Gen-Probe  
Hologic  
Illumina  
Innogenetics/Solvay  
Kreatech  
Table of Contents (Continued)  
Li-Cor Biosciences  
Life Technologies  
Monogram Biosciences  
Myriad Genetics  
Nanogen/Elitech

Novartis  
Orchid CellMark  
Ortho-Clinical Diagnostics  
Proteome Sciences  
Qiagen  
Roche  
Scienion  
Sequenom  
Shimadzu  
Siemens  
Sierra Molecular  
Takara Bio  
Tecan Group

## I would like to order

Product name: World Molecular Diagnostics Market 2017: Emerging Technologies and Strategic Profiles of Leading Suppliers

Product link: <https://marketpublishers.com/r/W784961E83BEN.html>

Price: US\$ 3,500.00 (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/W784961E83BEN.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

