

Analysis of Infectious Disease Testing Technologies And Strategic Profiles of Leading Suppliers

Table of Contents

Current and Emerging Technologies

Molecular Diagnostics

- a. Technology Overview
- b. Amplification Methods
 - o Polymerase Chain Reaction
 - Temperature Cyclers
 - PCR Variations
 - o Immuno-PCR
 - o QC-PCR
 - o DAP-PCR
 - o Ligase Chain Reaction
 - o Branched DNA
 - o Q-Beta Replicase
 - o Nucleic-Acid Sequence-Based
 - o Strand Displacement Activation

Monoclonal Antibodies

Immunoassays

- a. Technological Principle
- b. Enzyme Immunoassays (EIA)
 - o Overview
 - o ELISA
 - o Dot Immunobinding Assays
 - o Capillary Immunoassays
 - o Particle-Membrane Capture Immunoassays
 - o Enzyme Amplification
- c. Fluorescent Immunoassays
 - o Fluorescence Polarization
 - o Time-Resolved Pulse Fluorescence
- d. Luminescence
 - o Chemiluminescence
 - o Bioluminescence
- e. Latex Agglutination
- f. Immunoprecipitation

Table of Contents (continued)

Differential Light Scattering

IT

Artificial Intelligence

Liposomes

Flow Cytometry

Chromatography

MRI

Gel Microdroplets

Other

Competitive Profiles

- Abbott
- Affymetrix
- Beckman Coulter/Danaher
- Becton Dickinson
- bioMerieux
- Bio-Rad
- Cepheid
- Diamedix
- DiaSorin
- Eiken Chemical
- Elitech Group
- Enzo Biochem
- Fujirebio
- Grifols
- Hologic/Gen-Probe
- ID Biomedical
- Kreatech/Leica

Table of Contents (continued)

- Lonza
- Ortho-Clinical Diagnostics
- Qiagen
- Roche
- Scienion
- Sequenom
- SeraCare
- Siemens
- Takara Bio
- Thermo Fisher
- Wallac
- Wako