

# DNA and RNA Probes: Preparation, Formats, Labeling, Amplification, Detection

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## Abstracts

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This comprehensive review of the DNA and RNA probe technology includes modern principles of probe preparation, various test formats, labeling techniques, and numerous amplification methods.

Contains 60 pages

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### 3. DNA PROBE TEST

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- b. Hybridization
- c. Separation
- d. Detection/Measurement

### 4. TEST FORMATS

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- 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

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#### Self-Sustained Sequence Replicase

#### Others

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- ISO-CR
- LAT
- Probe Networks
- RAMP
- Repair Chain Reaction
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- Sequence Independent Gene Amplification
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