# DynaBio™ HPV16&18 Detection, Quantification & Typing Real-time PCR Kit

**DNA**

<table>
<thead>
<tr>
<th>DNA Sample</th>
<th>HP16</th>
<th>HP18</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPV10-18</td>
<td>0.9993</td>
<td>0.9995</td>
</tr>
</tbody>
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## Extraction & PCR

- **85 °C**: Initial denaturation for 15 minutes
- **45 cycles**: Each cycle consists of denaturation at 95°C for 30 seconds, primer annealing at 60°C for 30 seconds, and extension at 72°C for 20 seconds
- **10 minutes**: Final extension at 72°C

## Detection & Quantification

- **Fluorescence Detection**: FAM, JOE, Texas Red
- **Efficiency**: 99%

## Typing

- **5 Hybridization Probes**: Each specific for HPV16 or HPV18
- **Match Probability**: 99%

## Quality Control

- **Cross-Reactivity**: HSV1, HSV2, HCV, HBV, CMV, EBV, VZV, Parvovirus B19, Human genomic DNA
- **WHO International Standards**
  - HPV16: Code: 06/202
  - HPV18: Code: 06/206

## Specifications

- **Cat #: KR0095**
- **RUO (Research Use Only)**