

## HPV (High Risk) TaqMan Probe/Primer and Control Set - 100 Reactions

Product # TM32210

Component	Product # TM32210 (100 Reactions)
HPV High Risk (16/18) Primer & Probe Mix	1 x 280 µL
HPV High Risk (16/18) Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

### Applications

TaqMan Probe/Primer and Control Set for HPV (High Risk) detection using real-time PCR based on the use of TaqMan® technology.

### Storage Conditions and Product Stability

Store all the components at -20°C upon arrival. All kit components can be stored for 2 years after the date of production without showing any reduction in performance.

### Precautions and Disclaimers

This product is designed for research purposes only. It is not intended for human or diagnostic use.

### Customer-Supplied Reagents and Equipment

Appropriate Real-Time PCR Instrument with FAM, Cy5 and HEX filter channel.

### Procedures

#### Recommended Reaction Conditions:

- HPV High Risk (16/18) Primer Mix (2 µL per 20 µL PCR reaction)
- HPV High Risk (16/18) Positive Control (2-8 µL per 20 µL PCR reaction)

### Description

The positive control is a cloned partial HPV High Risk (16/18) DNA clone.

#### Recommended TaqMan PCR Assay

Step RT-PCR Cycle	Step	Temperature	Duration
<i>Cycle 1</i>	Step 1	95°C	3 min
	Step 2	60°C	30 sec
<i>Cycle 2 (40x)</i>	Step 1	95°C	15 sec
	Step 2	60°C	30 sec

### Interpretation of Assay Results

*FAM (Target: HPV 16)	*Cy5 (Target: HPV 18)	**HEX (PCR validation)	Result
+	+	+	<b>Positive (For both HPV 16 &amp;18)</b>
-	+	+	<b>Positive for HPV 18 only</b>
+	-	+	<b>Positive for HPV 16 only</b>
-	-	+	<b>Negative</b>
-	-	-	<b>PCR inhibited</b>

\* FAM and Cy5 channel for target detection with Norgen's TaqMan 2X PCR Master Mix or a regular 2X PCR Master Mix.

\*\* **Optional** - HEX or VIC channel is only required when Norgen's TaqMan 2X PCR Master Mix (Cat. #28340) is used for PCR validation purpose.

#### Technical Support

Contact our Technical Support Team between the hours of 9:00 and 5:30 (Eastern Standard Time) at (905) 227-8848 or Toll Free at 1-866-667-4362. Technical support can also be obtained from our website or through email at [techsupport@norgenbiotek.com](mailto:techsupport@norgenbiotek.com).