

**HPV 6/16 TaqMan Probe/Primer and Control Set (100)**  
Product # TM42010

**Product Insert**

TaqMan Probe/Primer and Control Set for HPV 6/16 detection using real-time PCR based on the use of TaqMan® technology.

**Kit Components**

Component	Product # TM42010 (100 Reactions)
HPV 6/16 Primer & Probe Mix	1 x 280 µL
HPV 6/16 Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

**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 and HEX filter channel.

**Procedures**

**Recommended Reaction Conditions**

- HPV 6/16 Primer and Probe Mix (2 µL per 20 µL PCR reaction)
- HPV 6/16 Positive Control (2-8 µL per 20 µL PCR reaction)

**Description**

The positive control is a synthetic oligonucleotide containing partial HPV 6 and 16 gene fragments.

**Recommended TaqMan one step PCR Assay**

One Step 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

Input Type	* FAM (Target detection)	** HEX/VIC (PCR validation-optional)	Result
Positive Control	+	+/-	<b>Valid</b>
Negative Control	-	+	<b>Valid</b>
Negative Control	-	-	<b>Invalid</b>
Sample	+	+/-	<b>Positive</b>
Sample	-	+	<b>Negative</b>
Sample	-	-	<b>PCR inhibited</b>

\* FAM channel for target detection with a regular 2x One-Step RT-PCR Master Mix

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

Related Products	Product #
HPV 6/16 TaqMan PCR Kit	TM42050
TaqMan 2X PCR Master Mix	28340
Microbiome DNA Isolation Kit	64100
Swab Collection and DNA Preservation System	45690-B
Total Nucleic Acid Preservation Tubes Dx	Dx69200
Urine DNA Isolation Kit (Slurry Format)	Dx48800
Urine Preservation	18116, 18118, 18120, 18122, 18111, 18113, 18124, 18126

#### Technical Support

Contact our Technical Support Team between the hours of 8:30 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).

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