

HSV-1&2 TaqMan Probe/Primer and Control Set - 100 Reactions

Product # TM31710

Component	Product # TM31710 (100 Reactions)
HSV-1&2 Primer & Probe Mix	1 x 280 µL
HSV-1&2 Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

Applications

TaqMan Probe/Primer and Control Set for HSV-1&2 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

- Real-Time PCR Instrument with multiple filter channel (FAM channel minimum)
- 2x PCR Master Mix
- **Optional** – Norgen's TaqMan 2X PCR Master Mix can be used for PCR validation purposes (Please see related products table below)

Procedures

Recommended Reaction Conditions:

- HSV-1&2 Primer Mix (2 µL per 20 µL PCR reaction)
- HSV-1&2 Positive Control (2-8 µL per 20 µL PCR reaction)

Description

The positive control is a cloned partial HSV-1&2 DNA.

Recommended TaqMan PCR Assay

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

Interpretation of Assay Results

Input Type	* FAM (HSV-2 detection)	*CY5 (HSV-1 detection)	** HEX/VIC (PCR validation-optional)	Result
Positive Control	+	+	+/-	Valid
Negative Control	-	-	+	Valid
Negative Control	-	-	-	Invalid
Sample	+	+	+/-	HSV-1&2 Positive
Sample	-	-	+	HSV-1&2 Negative
Sample	+	-	+/-	HSV-2 Positive
Sample	-	+	+/-	HSV-1 Positive
Sample	-	-	-	PCR inhibited

* FAM and CY5 channel for target detection with 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.

Related Products	Product #
HSV-1&2 TaqMan PCR Kit	TM31750
TaqMan 2X PCR Master Mix	28340
Swab Collection and DNA Preservation System	45690-B
Microbiome DNA Isolation Kit	64100
Total Nucleic Acid Preservation Tubes Dx	Dx69200

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.