

BKV/JCV TaqMan Probe/Primer and Control Set - 100 Reactions

Product # TM39310

Component	Product # TM39310 (100 Reactions)
BKV/JCV Primer & Probe Mix	1 x 280 µL
BKV/JCV Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

Applications

TaqMan Probe/Primer and Control Set for BKV/JCV detection using real-time PCR based on the use of TaqMan® technology. Positive signals for BKV and JCV will be detected simultaneously, but can also be distinguished by different channels (FAM for BKV and Cy5 for JCV).

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:

- BKV/JCV Primer Mix (2 µL per 20 µL PCR reaction)
- BKV/JCV Positive Control (2-8 µL per 20 µL PCR reaction)

Description

The positive control is a cloned partial BKV/JCV.

Recommended TaqMan PCR Assay

One Step RT-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

BKV/JCV TaqMan PCR Assay Interpretation

FAM (BKV)	Cy5 (JCV)	HEX (PCR validation)	Result
+	+	+	BKV Positive JCV Positive
+	+	-	BKV Positive JCV Positive
-	+	+	BKV Negative JCV Positive
+	-	+	BKV Positive JCV Negative
-	-	+	BKV Negative JCV Negative
-	-	-	PCR inhibited

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.