

## JCV Primer and Control Set - 100 Reactions

Product # EP37210

Component	Product # EP37210 (100 Reactions)
JCV Primer Mix	3 x 70 µL
JCV Positive Control	3 x 50 µL
Nuclease-Free Water	1.25 mL

### Applications

Primer and control sets for *John Cunningham virus* (JCV) detection using either:

- End-Point PCR
- Quantitative PCR (SYBR Green)

### Storage Conditions and Product Stability

Store all the components at -20°C upon arrival.

### Precautions and Disclaimers

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

### Procedures

#### Recommended Reaction Conditions:

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

### Description

The positive control is a cloned partial JCV DNA. The expected size of the JCV band is 255 bp on 1.4% agarose gel. For SYBR Green PCR the expected melting temp (°C) of the positive control is 84°C.

### Recommended PCR or SYBR Green PCR Assay

PCR Cycle	Step	Temperature	Duration
<i>Cycle 1</i>	Step 1	95°C	3 min
<i>Cycle 2 (35x)</i>	Step 1	94°C	15 sec
	Step 2	60°C	30 sec
	Step 3	72°C	45 sec
<i>Cycle 3 (for End-Point PCR)</i>	Step 1	72°C	5 min
<i>Cycle 3 (for SYBR Green PCR)</i>	Step 1	65°C to 95°C	Increment 0.5°C for 5 sec
<i>Cycle 4</i>	Step 1	4°C	∞

### 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).