

## WNV TaqMan Probe/Primer and Control Set - 100 Reactions

Product # TM44210

Component	Product # TM44210 (100 Reactions)
WNV Primer & Probe Mix	1 x 280 µL
WNV Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

### Applications

TaqMan Probe/Primer and Control Set for WNV detection of specific RNA 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 1 year 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 RT-PCR Master Mix
- **Optional** – Norgen's TaqMan 2X RT-PCR Master Mix can be used for PCR validation purposes (Please see related products table below)

### Procedures

#### Recommended Reaction Conditions:

- WNV Primer Mix (2 µL per 20 µL one step RT-PCR reaction).
- WNV Positive Control (2-8 µL per 20 µL one step RT-PCR reaction).

### Description

The positive control is a synthetic oligonucleotide containing a partial WNV gene fragment.

#### Recommended TaqMan One-Step RT-PCR Assay

One Step RT-PCR Cycle	Step	Temperature	Duration
<i>Cycle 1</i>	Step 1	50°C	30 min
<i>Cycle 2</i>	Step 1	95°C	3 min
<i>Cycle 3 (40x)</i>	Step 1	95°C	15 sec
	Step 2	60°C	30 sec

### Interpretation of Assay Results

FAM (Target detection)	HEX (PCR validation)	Result
+	+	Positive
-	+	Negative
-	-	PCR inhibited

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

\*\* **Optional** - HEX channel is only required when Norgen's TaqMan 2X RT-PCR Master Mix (Cat.28341) is used for PCR validation purpose.

Related Products	Product #
WNV TaqMan RT-PCR Kit	TM44250
Total RNA Purification Kit	17200, 37500
Plasma/Serum RNA Purification Kits	55000, 56100, 56200
TaqMan 2X RT-PCR Master Mix	28341

#### 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).