

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

Product # TM39010

Component	Product # TM39010 (100 Reactions)
TCDVd Primer & Probe Mix	1 x 280 µL
TCDVd Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

### Applications

TaqMan Probe/Primer and Control Set for *Tomato Chlorotic Dwarf Viroid* (TCDVd) 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 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

Appropriate Real-Time PCR Instrument with FAM and HEX filter channel.

## Procedures

### Recommended Reaction Conditions:

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

### Description

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

**Table 1. 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

**Table 2. Interpretation of Assay Results**

<b>FAM (Target detection)</b>	<b>HEX (PCR validation)</b>	<b>Result</b>
<b>+</b>	<b>+</b>	<b>Positive</b>
<b>-</b>	<b>+</b>	<b>Negative</b>
<b>-</b>	<b>-</b>	<b>PCR inhibited</b>

<b>Related Products</b>	<b>Product #</b>
TCDVd TaqMan PCR Kit	TM39050
Plant RNA/DNA Purification Kit	24400
Plant/Fungi RNA Purification Kit	25800
Plant/Fungi Total RNA Purification 96-Well Kit	31900

**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).