

## ***Clostridium difficile* TaqMan Probe/Primer and Control Set - 100 Reactions**

### **Product # TM37110**

| Component                                | Product # TM37110 (100 Reactions) |
|--|-----------------------------------|
| Clostridium difficile Primer & Probe Mix | 1 x 280 µL                        |
| Clostridium difficile Positive Control   | 1 x 150 µL                        |
| Nuclease-Free Water                      | 1 x 1.25 mL                       |

#### **Applications**

TaqMan Probe/Primer and Control Set for *Clostridium difficile* 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**

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

#### **Procedures**

##### **Recommended Reaction Conditions:**

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

#### **Description**

The positive control is a cloned partial *Clostridium difficile*.

#### **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   |

#### **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).