

## Penicillium sp. TaqMan Probe/Primer and Control Set - 100 Reactions

Product # TM33210

Component	Product # TM33210 (100 Reactions)
Penicillium sp. Primer & Probe Mix	1 x 280 µL
Penicillium sp. Positive Control	1 x 150 µL
Nuclease-Free Water	1 X 1.25 mL

### Applications

TaqMan Probe/Primer and Control Set for Penicillium sp. 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

- Real-Time PCR Instrument with multiple filter channel (FAM channel minimum)
- 2x PCR Master Mix
- **Optional** – Norgen's TaqMan 2X PCR Master Mix can be used for PCR validation purposes (Please see related products table below)

### Procedures

#### Recommended Reaction Conditions:

- Penicillium sp. Primer and Probe Mix (2 µL per 20 µL PCR reaction)
- Penicillium sp. Positive Control (2-8 µL per 20 µL PCR reaction)

### Description

The positive control is a synthetic oligonucleotide containing partial Penicillium sp.

#### Recommended TaqMan one step PCR Assay

One Step 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

#### Interpretation of Assay Results

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

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

\*\* **Optional** - HEX or VIC channel is only required when Norgen's TaqMan 2X PCR Master Mix

(Cat.#28340) is used for PCR validation purpose.

Related Products	Product #
Penicillium Sp. TaqMan PCR Kit	TM33250
TaqMan 2X PCR Master Mix	28340
2X PCR Master Mix	28007, 28008, 28009

#### 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).