

## Mastitis Pathogens TaqMan Probe/Primer and Control Set - 100 Reactions

### Product # TM65910

Component	Product # TM65910 (100 Reactions)
Mastitis Pathogens Primer & Probe Mix	1 x 280 µL
Mastitis Pathogens Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

#### Applications

TaqMan Probe/Primer and Control Set for Mastitis Pathogens (*Brucella* spp., *Listeria monocytogenes* and *Staphylococcus aureus*) 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, HEX (VIC) and Cy5 filter channels.

#### Procedures

##### Recommended Reaction Conditions:

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

#### Description

The positive control is a mixture of cloned partial DNA and genomic DNA .

#### Recommended TaqMan PCR Assay

PCR Cycle	Step	Temperature	Duration
<i>Cycle 1</i>	Step 1	95°C	3 min
	Step 2	60°C	30 sec
<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).