

Staphylococcus aureus TaqMan Probe/Primer and Control Set - 100 Reactions

Product # TM29310

Component	Product # TM29310 (100 Reactions)
Staphylococcus aureus Primer & Probe Mix	1 x 280 µL
Staphylococcus aureus Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

Applications

TaqMan Probe/Primer and Control Set for *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

- 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:

- Staphylococcus aureus Primer and Probe Mix (2 µL per 20 µL PCR reaction)
- Staphylococcus aureus Positive Control (2-8 µL per 20 µL PCR reaction)

Description

The positive control is a synthetic oligonucleotide containing partial *Staphylococcus aureus*.

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
+	+	Positive
-	+	Negative
-	-	PCR inhibited

* 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 #
Staphylococcus aureus TaqMan PCR Kit	TM29350
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.