

***Salmonella enterica* TaqMan Probe/Primer and Control Set - 100 Reactions**

Product # TM32110

Component	Product # TM32110 (100 Reactions)
<i>Salmonella enterica</i> Primer & Probe Mix	1 x 280 µL
<i>Salmonella enterica</i> Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

Applications

TaqMan Probe/Primer and Control Set for *Salmonella enterica* detection using real-time PCR based on the use of TaqMan® technology.

Storage Conditions and Product Stability

Store all the components at -20°C, 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 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:

- *Salmonella enterica* Primer Mix (2 µL per 20 µL PCR reaction).
- *Salmonella enterica* Positive Control (2-8 µL per 20 µL PCR reaction).
- 2X PCR Master Mix (10 µL per 20 µL PCR reaction).
- Nuclease Free Water (Add 8-0 µL per 20 µL PCR reaction depending on sample input).

Description

The positive control is a synthetic oligonucleotide containing a partial *Salmonella enterica* gene fragment.

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

Salmonella enterica TaqMan PCR Assay Interpretation

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 #
Salmonella enterica TaqMan PCR Kit	TM33250
TaqMan 2X PCR Master Mix	28340
2X PCR Master Mix	28007, 28008, 28009
Milk DNA Preservation and Isolation Kit	44800
Milk Bacterial DNA Isolation Kit	21550
Food DNA Isolation Kit	54500

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.