

***Chlamydia/Neisseria gonorrhoeae* TaqMan Probe/Primer and Control Set
- 100 Reactions
Product # TM42510**

Component	Product # TM42510 (100 Reactions)
<i>Chlamydia/Neisseria gonorrhoeae</i> Primer & Probe Mix	1 x 280 µL
<i>Chlamydia/Neisseria gonorrhoeae</i> Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

Applications

TaqMan Probe/Primer and Control Set for *Chlamydia/Neisseria gonorrhoeae* detection using real-time PCR based on the use of TaqMan® technology. Positive signals for *Chlamydia* and *Neisseria gonorrhoeae* will be detected simultaneously, but can also be distinguished by different channels (FAM for *Chlamydia* and Cy5 for *Neisseria gonorrhoeae*).

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, Cy5 and HEX filter channel

Procedures

Recommended Reaction Conditions:

- *Chlamydia/Neisseria gonorrhoeae* Primer Mix (2 µL per 20 µL PCR reaction)
- *Chlamydia/Neisseria gonorrhoeae* Positive Control (2-8 µL per 20 µL PCR reaction)

Description

The positive control is a cloned partial *Chlamydia/Neisseria gonorrhoeae*.

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

***Chlamydia/Neisseria gonorrhoeae* TaqMan PCR Assay Interpretation**

FAM (<i>Chlamydia</i>)	Cy5 (<i>Neisseria gonorrhoeae</i>)	HEX (PCR validation)	Result
+	+	+	<i>Chlamydia</i> Positive <i>Neisseria gonorrhoeae</i> Positive
+	+	-	<i>Chlamydia</i> Positive <i>Neisseria gonorrhoeae</i> Positive
-	+	+	<i>Chlamydia</i> Negative <i>Neisseria gonorrhoeae</i> Positive
+	-	+	<i>Chlamydia</i> Positive <i>Neisseria gonorrhoeae</i> Negative
-	-	+	<i>Chlamydia</i> Negative <i>Neisseria gonorrhoeae</i> Negative
-	-	-	PCR inhibited

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.