

XMRV TaqMan Probe/Primer and Control Set - 100 Reactions

Product # TM34710

Component	Product # TM34710 (100 Reactions)
XMRV Primer & Probe Mix	1 x 280 µL
XMRV Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

Applications

TaqMan Probe/Primer and Control Set for XMRV 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 1 year 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 RT-PCR Master Mix
- **Optional** – Norgen's TaqMan 2X RT-PCR Master Mix can be used for PCR validation purposes (Please see related products table below)

Procedures

Recommended Reaction Conditions:

- XMRV Primer Mix (2 µL per 20 µL one step RT-PCR reaction)
- XMRV Positive Control (2-8 µL per 20 µL one step RT-PCR reaction)

Description

The positive control is a cloned partial XMRV RNA.

Recommended TaqMan One Step RT-PCR Assay

One Step RT-PCR Cycle	Step	Temperature	Duration
<i>Cycle 1</i>	Step 1	50°C	30 min
<i>Cycle 2</i>	Step 1	95°C	3 min
<i>Cycle 3 (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 RT-PCR Master Mix

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

(Cat.28341) is used for PCR validation purpose.

Related Products	Product #
XMRV TaqMan TaqMan RT-PCR Kit	TM34750
Blood DNA Isolation Mini Kit	46300, 46380
Plasma/Serum Cell-Free Circulating DNA Purification Mini Kit	55100
TaqMan 2X RT-PCR Master Mix	28341

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.