

H5N1 TaqMan Probe/Primer and Control Set - 100 Reactions
Product # TM35410

Component	Product # TM35410 (100 Reactions)
H5N1 Primer & Probe Mix	1 x 280 µL
H5N1 Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

Applications

TaqMan Probe/Primer and Control Set for detection of H5N1 specific RNA 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:

- H5N1 Primer Mix (2 µL per 20 µL one step RT-PCR reaction)
- H5N1 Positive Control (2-8 µL per 20 µL one step RT-PCR reaction)

Description

The positive control is a cloned partial H5N1 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 (PCR validation)	Result
+	+	Positive
-	+	Negative
-	-	PCR inhibited

- * FAM channel for target detection with a regular 2x RT-PCR Master Mix
** **Optional** - HEX channel is only required when Norgen's TaqMan 2X RT-PCR Master Mix (Cat.28341) is used for PCR validation purpose.

Related Products	Product #
H5N1 TaqMan RT-PCR Kit	TM35450
Total RNA Purification Kit	17200, 37500
Urine Total RNA Purification Maxi Kit (Slurry Format)	29600, 29650
TaqMan 2X RT-PCR Master Mix	28341

Technical Support

Contact our Technical Support Team between the hours of 9:00 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.