

Grapevine Red Blotch-Associated Virus (GRBaV) TaqMan Probe/Primer and Control Set - 100 Reactions

Product # TM65810

Component	Product # TM65810 (100 Reactions)
GRBaV Primer & Probe Mix	1 x 280 µL
GRBaV Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

Applications

TaqMan Probe/Primer and Control Set for GRBaV 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

Appropriate Real-Time PCR Instrument with FAM and HEX filter channel

Procedures

Recommended Reaction Conditions:

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

Description

The positive control is a synthetic oligonucleotide containing a partial Grape Red Blotch associated Virus (GRBaV) gene fragment.

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

Input Type	* FAM (Target detection)	** HEX/VIC (PCR validation-optional)	Result
Positive Control	+	+/-	Valid
Negative Control	-	+	Valid
Negative Control	-	-	Invalid
Sample	+	+/-	Positive
Sample	-	+	Negative
Sample	-	-	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 PCR Master Mix (Cat.#28340) is used for PCR validation purpose.

Related Products	Product #
GRBaV TaqMan PCR Kit	TM65850
TaqMan 2X PCR Master Mix	28340
Plant/Fungi DNA Isolation Kit	26200, 26250, 26900
Plant DNA Isolation Kit (Magnetic Bead System)	58200, 62400

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.