

Candidatus Liberibacter TaqMan Probe/Primer and Control Set - 100 Reactions

Product # TM64310

Component	Product # TM64310 (100 Reactions)
Candidatus Liberibacter Primer & Probe Mix	1 x 280 µL
Candidatus Liberibacter Positive Control	1 x 150 µL
Nuclease-Free Water	1 x 1.25 mL

Applications

TaqMan Probe/Primer and Control Set for Candidatus Liberibacter 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:

- Candidatus Liberibacter Primer Mix (2 µL per 20 µL PCR reaction)
- Candidatus Liberibacter Positive Control (2-8 µL per 20 µL PCR reaction)

Description

The positive control is a synthetic DNA oligonucleotide containing a partial gene from Candidatus Liberibacter asiaticus.

Recommended TaqMan one step PCR Assay

One Step PCR Cycle	Step	Temperature	Duration
<i>Cycle 1</i>	Step 1	95°C	3 min
	Step 2	60°C	30 sec
<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 2X PCR Master Mix (Cat.#28340) is used for PCR validation purpose.

Related Products	Product #
Candidatus Liberibacter TaqMan PCR Kit	TM64350
TaqMan 2X PCR Master Mix	28340
2X PCR Master Mix	28007, 28008, 28009
Plant/Fungi DNA Isolation Kit	26200,26250,26900

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.