AmplifyRP® XRT+ for Cms (Clavibacter michiganensis subsp. sepedonicus)

Part Number: XCS 70002/0048

Test Label: Biotin labeled primer / FAM probe
Test Format: AmplifyRP® XRT+

Clavibacter michiganensis subsp. *sepedonicus* (Cms) is the causal agent of bacterial ring rot in potato and is a zero tolerance pathogen in US and Canadian seed certification programs. Infected tuber lots exhibit range of symptoms depending on the level of infection, the cultivar, and environment. One of the most classical visual symptoms in tubers is decaying vascular ring tissue which may be evident when the tuber is cut. Cms is most commonly spread through contaminated seed cutting tools and / or farm equipment.

Agdia's AmplifyRP XRT+ assay for Cms is an isothermal DNA amplification and detection system that rapidly amplifies small portions of DNA unique to Cms. It is highly specific and is validated to have equivalent or better analytical sensitivity than commonly used laboratory PCR methods (e.g., CelA or Cms50) used for Cms diagnosis. Prior molecular diagnostic experience is not required to perform AmplifyRP XRT+ tests.

XRT+ is our most flexible AmplifyRP platform and offers the option of either real-time detection (Image 1) or end-point detection (Image 2). Real-time detection is completed using the field deployable (battery operated) AmpliFire fluorometer. Assay parameters are loaded via barcode and results are automatically displayed as (+) or (-).

End-point detection can alternatively be completed by performing the amplification step in a small 39°C heat block followed by amplicon detection using an Amplicon Detection Chamber (sold separately).

Includes:

- XRT+ reaction pellets for Cms (48)
- Pre-filled 100 µL PD1 Pellet diluent tubes (48)
- Amp1 extraction buffer (55 mL)
- User Guide

India Contact:
Life Technologies (India) Pvt. Ltd.
306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com