

AmplifyRP® Acceler8® for FOV4 (*Fusarium oxysporum* f.sp. *vasinfectum*, Race 4)



Part Number: ACS 19700/0008

Test Label: Biotin labeled primer / FITC probe

Test Format: AmplifyRP® Acceler8®

Intended Use:

AmplifyRP® Acceler8® for FOV4 is a rapid DNA amplification and detection platform designed for field-based or laboratory testing of cotton crops for *Fusarium oxysporum* f.sp. *vasinfectum*, Race 4 (FOV4).

Fusarium oxysporum f.sp. *vasinfectum* is the causal agent of Fusarium wilt disease in cotton. There are several races of FOV distributed worldwide. Race 4 has significance because, unlike other races, it does not require co-infection with root-knot nematodes to cause disease symptoms. It is also highly virulent and can cause rapid decline of infected seedlings, resulting in significant yield loss.

AmplifyRP® Acceler8® enables users to rapidly amplify target DNA or RNA at a single operating temperature using only a crude sample extract. Amplified product is then tested in an Amplicon Detection Chamber where clear "yes / no" results are read visually on a lateral flow strip (much like a pregnancy test). The entire testing process can be completed in as little as 30 minutes by users of any skill level.

This assay is specific to race 4 of FOV and does not cross-react with other races except for an Egyptian race 3 isolate, FOV1857. This test is recommended for testing stem or leaf tissue.

Includes:

- Acceler8® reaction pellets (8)
- Amplicon detection chambers (8)
- PD1 Pellet diluent (1.0 ml)
- GEB3 sample extraction bags (8)
- 1µl transfer loops (10)
- **User Guide**

NOTE: First time users of AmplifyRP® Acceler8® technology will need to purchase a starter pack that includes necessary equipment to perform assays. See related items for more details.

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