



Microsynth

It is time to switch from traditional agar plates to PCR!

PCR Kit for the detection of *Erwinia amylovora* (Fire blight)

(Ideal for low and high throughput)

Principle

PCR detection kit for agarose gelelectrophoresis. Prefilled PCR tubes prevent lot-to-lot variation. Internal control prevents false negative results. No DNA isolation – a simple 30 min. extraction procedure results in PCR-pure DNA.

Short Description of the detection procedure

Add small plant pieces into a 1.5 or 2ml tube → Add our DNA extraction buffer → Heat at 95 °C for 20 min. → Dilute 1µl of this extract 1000 fold in 1ml water → Transfer 24 µl mastermix into Microsynth's prefilled (primers and PCR-buffer) PCR tubes → Add 1 µl of the diluted DNA extract → 3.1 hours PCR and 30 min. agarose-gelelectrophoresis

Sensitivity: Detects 1 culturable cell

Price: EUR 1.90 (USD 2.36) per PCR (384-package size)

Additional features:

- Highly parallel, up to 96 samples per day (7 hours).
- A simple gel picture records up to 96 results.
- No infectious waste which has to be decontaminated
- Further sequencing of the positive samples possible (confirmation test)
- Stability of the kit: At least 1.5 years
- No precultivation of *E. amylovora* necessary
- No uncertainties about the amount to be plated on the agar plate
- Special rack for high-throughput handling available upon request
- Single tubes, strips of 8 tubes or 96well plates available
- Contains positive control
- Tested by several laboratories
- Instruction manual included
- Taq Polymerase not included (approximately EUR 0.53 or USD 0.66 per PCR)

Order information:

Article no. 1000-96	96 tubes	EUR 191.50 (USD 237.45)
Article no. 1000-384	384 tubes	EUR 729.60 (USD 904.70)
Article no. 1000-1536	1536 tubes	EUR 2772.50 (USD 3437.90)

Orders should be made online on our homepage or by phone.

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