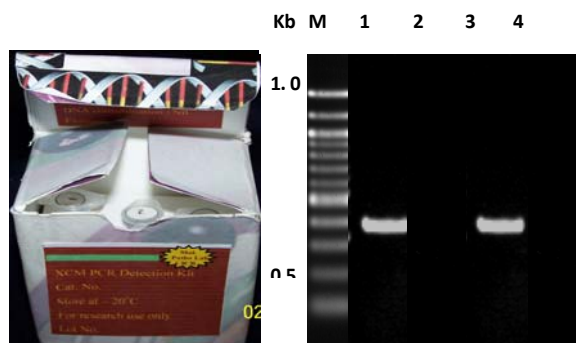


PCR detection of *Xanthomonas campestris* pv. *malvacearum*, angular leaf spot pathogen of cotton

Patent No. (1558/MUM/2009), Published on: 14/01/2012

Ready-to-use PCR kit for detection of strains of *Xanthomonas axonopodis* pv. *malvacearum* has been developed. Each kit contains ready mix with all ingredients of PCR, except Taq Polymerase, mixed in proper proportion, sufficient for 50 PCR reactions in 25 ul volumes. A vial containing boiled bacterial cells serves as positive control. Each kit is also accompanied with an instruction leaflet containing all information for effective utilization of the components, including lot number, and expiry date. Procedure to process the sample from various sources for use as template in PCR, including culture, seeds and infected tissues is also given. In case of positive reaction PCR-mix is able to support amplification of a 0.4 kb diagnostic fragment without any loss in efficacy even after 24 months when stored at -20°C.



Features

1. The kit can be used for the detection of pathogen strains and to differentiate it from morphologically alike yellow colored non-*Xanthomonads*
2. detection of pathogen in infected sources/ seeds/ plant tissues/ cultures
3. Useful for Plant quarantine stations, Plant Protection agencies, Scientists and researchers in Agril Universities and Private seed Companies.

For more details contact:

The Director
 Central Institute for Cotton Research
 PB No. 2, Shankar Nagar PO, Nagpur – 440010
 Maharashtra, India.
 Phone: (07103) 275536; Fax: (07103) 275529
 Email: cicrngp@rediffmail.com
 URL: <http://www.cicr.org.in>