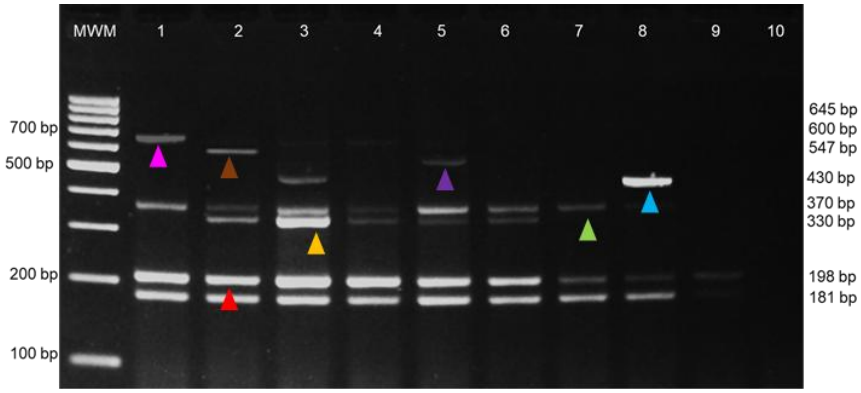
सीएसआईआर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान
पालमपुर – 176 061 (हि.प्र.)
CSIR-Institute of Himalayan Bioresource Technology Palampur – 176 061 (H.P.)

CSIR-IHBT invites Expression of Interest (EOI)
For
A single tube multiplex RT-PCR assay for simultaneous detection of seven (7) viruses and virus-like pathogens of apple

CSIR-IHBT invites expressions of interest (EOI) from interested parties from Industries /SMEs,/ Progressive Entrepreneurs for licensing technology for multiplex RT-PCR assay for simultaneous detection of seven (7) viruses and virus-like pathogens of apple.

The multiplex PCR-based method can detect 7 viruses and virus-like pathogens, including major apple viruses and emerging viruses. The developed technology is well-suited for use in nursery certification, quarantine inspection, epidemiological surveillance, and virus indexing programs, particularly where large numbers of samples must be screened efficiently and accurately.

Salient Features:
The PCR assay can detect major viruses, including apple mosaic virus (ApMV), apple chlorotic leaf spot virus (ACLSV), apple stem grooving virus (ASGV), apple stem pitting virus (ASPV), apple stem grooving virus (ASGV), cucumber mosaic virus (CMV), apple rubbery wood virus (AWRV).



Multiplex PCR assay for detect apple virus. Lane MWM: molecular weight marker; Lanes 1–9: individual apple samples analysed by the multiplex RT-PCR assay; Lane 10: no-template control (NTC). Distinct amplification products corresponding to the internal control nad5 (181 bp), apple stem grooving virus (ASGV, 198 bp), apple scar skin viroid (ASSVd, 330 bp), apple stem pitting virus (ASPV, 370 bp), cucumber mosaic virus (CMV, 430 bp), apple mosaic virus (ApMV, 547 bp), apple rubbery wood virus (ARWV, 600 bp), and apple chlorotic leaf spot virus (ACLSV, 645 bp) are observed, indicating the presence of single or mixed infections. All amplicons were resolved on a 3% agarose gel.

The application should include details of the company profile and marketing strategies. The selected parties shall be called for discussions.
Interested parties may send their Expression of Interest, in a sealed cover superscripting "Expression of Interest" addressed to:

The Director
CSIR-Institute of Himalayan Bioresource Technology
Post Box. No. 6, Palampur (H.P.), 176061
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