

## Diagnostic kit of virus and virus-like pathogens of Apple

Highly sensitive primer based detection kit has been developed for five major apple virus and virus- like pathogens. The kit is useful for (1) testing of nursery plants and for (2) testing these pathogens at the quarantine level.





**Multiplex RT-PCR** 

**DAS-ELISA** 

Suitable for testing Apple chlorotic leaf spot virus, Apple stem grooving virus, Apple stem pitting virus, Apple mosaic virus and Apple scar skin viroid



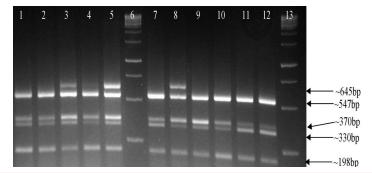
**Deformed and diseased apples** 



1 2 3 4 5 6 7 8 9 10

-645bp
-547bp
-370bp
-330bp
-198bp
-181bp

Results obtained by multiplex RT-PCR kit



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