

Detection of Prunus Necrotic Ringspot Virus

Molecular Diagnostics: One-Tube One-step RNA-PCR

Prunus Necrotic Ringspot Virus is a serious plant pathogenic virus affecting mainly species of the genus *Prunus* including Sweet Cherry, Peach, Almond and Plum. It causes ring spot diseases and can negatively affect growth and yield of infected plants. It was first reported in orchard Peach trees in the United States in 1941 and is now found worldwide.

Family: Bromoviridae - Ilarvirus

Distribution: worldwide

Host range: Prunus species (main hosts), Roses, Hop

Transmission: grafting, mechanical inoculation, pollen-to-seed, seed

Symptoms: chlorosis, necrosis, leaf deformity, and stunting

Detection of Prunus Necrotic Ringspot Virus by LOEWE® RNA-PCR reaction kits

09052C/100	Prunus Necrotic Ringspot Virus RNA-PCR complete reaction kit	100 reactions
09052PC	Positive PCR Control Prunus Necrotic Ringspot Virus (DNA-based)	1 vial (10 reactions)
09052NC	Negative Control Prunus Necrotic Ringspot Virus (DNA-based)	1 vial (10 reactions)

Highly specific and sensitiv detection in samples for woody material, seeds, fruits, blossoms, leaves!

Cross reactions tested and not detected:

Apple chlorotic leafspot virus (ACLSV), *Apple mosaic virus (ApMV)*, *Apple stem grooving virus (ASGV)*, *Cherry leaf roll virus (CLRV)*, *Parietaria mottle virus (PMoV)*, *Prune dwarf virus (PDV)*, *Plum pox virus (PPV)*, *Strawberry latent ringspot virus (SLRV)*, *Tomato black ring virus (TBRV)*, *Tomato ringspot virus (ToRSV)*

Healthy controls tested and not detected:

Corylus avellana, *Cucumis sativus*, *Humulus lupulus*, *Lilium spec.*, *Malus spec.*, *Pelargonium spec.*, *Prunus armeniaca*, *Prunus avium*, *Prunus domestica*, *Prunus laurocerasus*, *Prunus persica*, *Prunus serrulata*, *Rosa spec.*, *Rubus fruticosus*, *Rubus idaeus*

