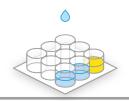
Validation Report: ELISA

PSA/SRA 40000 • Potato virus S (PVS)



Test Characteristics

Test NamePotato virus SCapture AntibodyPolyclonal (Sheep)Catalog Number40000Detection AntibodyPolyclonal (Sheep)

AcronymPVSFormatDAS-ELISAGenusCarlavirusDiluentsGEB/ECISample Dilution1:10

Summary

This ELISA test is a qualitative serological assay for the detection of Potato virus S (PVS) in potato leaves and sprouts. PVS is a member of the Carlavirus genus known for their non-enveloped, flexuous, filamentous-shaped virus particles.

Diagnostic Sensitivity

Analytical Sensitivity

True Positives 45 Limit of Detection: 1:21,600 dilution of infected tissue (pathogen titer unknown)

Correct Diagnoses 45

Percent 100%

Analytical Specificity

Inclusivity:

This assay was designed to detect all strains and isolates of PVS. Forty-five distinct samples of PVS have been experimentally proven to be detected.

Exclusivity:

Cross-reacts With:

Potato Virus M

Does Not Cross-react With:

None known

Diagnostic Specificity

True Negatives 41

Correct Diagnoses 41

Percent 100%

Selectivity:

No Matrix Effect Observed With:			
Potato leaves	Potato sprouts		



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