

Validation Report: ELISA

SRA 32000 • *American plum line pattern virus* (APLPV)



Test Characteristics

Test Name	American plum line pattern virus	Capture Antibody	Polyclonal (Rabbit)
Catalog Number	32000	Detection Antibody	Polyclonal (Rabbit)
Acronym	APLPV	Format	Compound-ELISA
Genus	Illavirus	Diluents	GEB/APLPV EC Buffer
		Sample Dilution	1:10

Summary

This ELISA test is a qualitative serological assay for the detection of American plum line pattern virus (APLPV) in peach leaves. APLPV is a member of the Illavirus genus known for their non-enveloped, quasi-spherical-shaped virus particles.

Diagnostic Sensitivity

True Positives	33
Correct Diagnoses	33
Percent	100%

Analytical Sensitivity

Limit of Detection: 1:12,150 dilution of infected tissue (pathogen titer unknown)

Analytical Specificity

Inclusivity:

This assay was designed to detect all strains and isolates of APLPV. Thirty-three distinct samples of APLPV have been experimentally proven to be detected.

Exclusivity:

Cross-reacts With:

None known	
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Does Not Cross-react With:

None known	
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Diagnostic Specificity

True Negatives	23
Correct Diagnoses	23
Percent	100%

Selectivity:

No Matrix Effect Observed With:

Peach leaves			
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Agdia, Inc.
52642 County Road 1
Elkhart, IN 46514
574-264-2014 / 800-622-4342
www.agdia.com / info@agdia.com

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