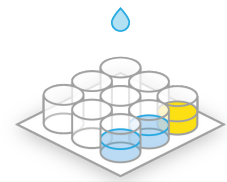


Validation Report: ELISA

SRA 40200 • *Andean potato latent virus* (APLV)



Test Characteristics

Test Name	Andean potato latent virus	Capture Antibody	Polyclonal (Rabbit)
Catalog Number	40200	Detection Antibody	Polyclonal (Rabbit)
Acronym	APLV	Format	DAS-ELISA
Genus	Tymovirus	Diluents	GEB/ECI
		Sample Dilution	1:10

Summary

This ELISA test is a qualitative serological assay for the detection of Andean potato latent virus (APLV) in potato leaves. APLV is a member of the Tymovirus genus known for their non-enveloped, icosahedral, and isometric virus particles.

Diagnostic Sensitivity

True Positives	10
Correct Diagnoses	10
Percent	100%

Analytical Sensitivity

Limit of Detection: 1:122 dilution of synthetic control (viral protein concentration unknown)

Analytical Specificity

Inclusivity:

This assay was designed to detect all strains and isolates of APLV. Ten distinct samples of APLV have been experimentally proven to be detected.

Exclusivity:

Cross-reacts With:

None known	
------------	--

Does Not Cross-react With:

None known	
------------	--

Diagnostic Specificity

True Negatives	8
Correct Diagnoses	8
Percent	100%

Selectivity:

No Matrix Effect Observed With:

Peach leaves	Potato leaves		
--------------	---------------	--	--



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

p245.1
Revised: 08/12/2021
Page 1 of 1