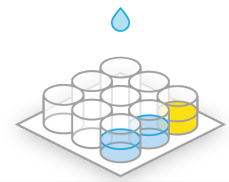


Validation Report: ELISA

PSA/SRA 71000 • *Asparagus virus 2 (AV-2)*



Test Characteristics

Test Name	Asparagus virus 2	Capture Antibody	Polystyrene Plate
Catalog Number	71000	Detection Antibody	Polyclonal (Rabbit)
Acronym	AV-2	Format	ACP-ELISA
Genus	Ilarvirus	Diluents	IEB/ECI
		Sample Dilution	1:200

Summary

This ELISA test is a qualitative serological assay for the detection of Asparagus virus 2 (AV-2) in asparagus leaf and seed. AV-2 is a member of the Ilarvirus genus known for their non-enveloped, quasi-spherical-shaped virus particles.

Diagnostic Sensitivity

True Positives	11
Correct Diagnoses	11
Percent	100%

Analytical Sensitivity

Limit of Detection: 1:2,430 dilution of infected tissue (pathogen titer unknown)

Analytical Specificity

Inclusivity:

This assay was designed to detect all strains and isolates of AV-2. Eleven distinct samples of AV-2 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	9
Correct Diagnoses	9
Percent	100%

Selectivity:

No Matrix Effect Observed With:

Asparagus leaves	Asparagus seeds		
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