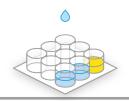
Validation Report: ELISA

SRA 72200 • Banana streak OL virus (BSOLV)



Test Characteristics

Test Name Banana streak OL virus Capture Antibody Polyclonal (Rabbit)

Catalog Number 72200 Detection Antibody Polyclonal (Rabbit)

AcronymBSOLVFormatDAS-ELISAGenusBadnavirusDiluentsGEB2/ECI

Sample Dilution 1:10

Summary

This ELISA test is a qualitative serological assay for the detection of Banana streak OL virus (BSOLV), the causal agent of Banana streak disease, in banana crops. This test is not validated to test sugarcane tissue. BSOLV is a member of the Badnavirus genus known for their nonenveloped bacilliform virus particles.

Diagnostic Sensitivity

Analytical Sensitivity

True Positives 32 Limit of Detection: 1:3,038 dilution of infected tissue (pathogen titer unknown)

Correct Diagnoses 32
Percent 100%

Analytical Specificity

Inclusivity:

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

Exclusivity:

Cross-reacts With:

Banana streak Cavendish virus (BSCaV)	Sugarcane bacilliform virus (SCBV)

Does Not Cross-react With:

None known	

Diagnostic Specificity

True Negatives 264
Correct Diagnoses 264
Percent 100%

Selectivity:

	o Matrix Effect Observed With:
Ва	anana leaves

Matrix Effect Observed With:

Sugarcane leaves



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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