

Validation Report: ELISA

SRA 88001 • *Blueberry leaf mottle virus* (BLMoV)



Test Characteristics

Test Name	Blueberry leaf mottle virus	Capture Antibody	Polyclonal (Rabbit)
Catalog Number	88001	Detection Antibody	Polyclonal F(ab') ₂ (Rabbit)
Acronym	BLMoV	Format	Compound-ELISA
Genus	Nepovirus	Diluents	GEB/ECI
		Sample Dilution	1:10

Summary

This ELISA test is a qualitative serological assay for the detection of Blueberry leaf mottle virus (BLMoV) in blueberry blossoms, buds, and leaves. BLMoV is a member of the Nepovirus genus known for their transmission by nematodes.

Diagnostic Sensitivity

True Positives 24
Correct Diagnoses 24
Percent 100%

Analytical Sensitivity

Limit of Detection: 1:9,720 dilution of infected tissue (pathogen titer unknown)

Analytical Specificity

Inclusivity:

Isolates and Geographic Regions Detected:

BLMoV ATCC® PV-444™	BLMoV Michigan isolate
BLMoV New York isolate	

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 20
Correct Diagnoses 20
Percent 100%

Selectivity:

No Matrix Effect Observed With:			
Blueberry blossoms	Blueberry buds	Blueberry leaves	



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Page 1 of 1