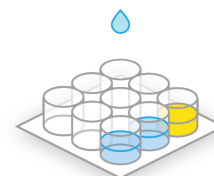


Validation Report: ELISA

SRA 24700 • *Banana bunchy top virus* (BBTV)



Test Characteristics

Test Name	Banana bunchy top virus	Capture Antibody	Monoclonal (Mouse)
Catalog Number	24700	Detection Antibody	Monoclonal (Mouse)
Acronym	BBTV	Format	Compound-ELISA
Genus	Babuvirus	Diluents	GEB2/ECI
		Sample Dilution	1:10

Summary

This ELISA test is a qualitative serological assay for the detection of Banana bunchy top virus (BBTV) in banana leaves. BBTV is a member of the Babuvirus genus known for their non-enveloped, round-shaped virus particles.

Diagnostic Sensitivity

True Positives	37
Correct Diagnoses	37
Percent	100%

Analytical Sensitivity

Limit of Detection: 1:1,000 dilution of infected tissue (pathogen titer unknown)

Analytical Specificity

Inclusivity:

Isolates and Geographic Regions Detected:

BBTV 1429 isolate (Australia)	BBTV Mooloolah isolate
BBTV Sunshine Court isolate	BBTV Vietnam isolate

Exclusivity:

Cross-reacts With:

None known	
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Does Not Cross-react With:

Banana bract mosaic virus (BBRMV)	Banana streak virus (BSV)
Cucumber mosaic virus (CMV)	Maize dwarf mosaic virus (MDMV)
Sugarcane bacilliform virus (SCBV)	Sugarcane mosaic virus (SCMV)



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Diagnostic Specificity

True Negatives 51
Correct Diagnoses 51
Percent 100%

Selectivity:

No Matrix Effect Observed With:			
Banana leaves			



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