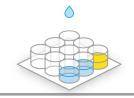
# Validation Report: ELISA

SRA 58200 • Raspberry bushy dwarf virus (RBDV)



# **Test Characteristics**

Test Name	Raspberry bushy dwarf virus	Capture Antibody	Polyclonal (Rabbit)
Catalog Number	58200	Detection Antibody	Monoclonal (Mouse)
Acronym	RBDV	Format	DAS-ELISA
Genus	Idaeovirus	Diluents	GEB/ECI
		Sample Dilution	1:10

## Summary

This ELISA test is a qualitative serological assay for the detection of Raspberry bushy dwarf virus (RBDV), the causal agent of raspberry symptomless decline, in strawberry leaves. RBDV is a member of the Idaeovirus genus known for their non-enveloped, isometric, slightly flattened-shaped virus particles.

Diagnostic Sensitivity		Analytical Sensitivity		
True Positives	43	Limit of Detection:	1:810 dilution of infected tissue (pathogen titer unknown)	
Correct Diagnoses	43			
Percent	100%			

# **Analytical Specificity**

#### Inclusivity:

This assay was designed to detect all strains and isolates of RBDV. Forty-three distinct samples of RBDV have been experimentally proven to be detected.

## **Exclusivity:**

Cross-reacts With:				
None known				
Doos Not Cross roact With:				

#### Does Not Cross-react With:

None known

## **Diagnostic Specificity**

True Negatives	43
Correct Diagnoses	43
Percent	100%

## Selectivity:

No Matrix Effect Observed With:					
Berry leaves	Rubus leaves	Strawberry leaves	Tobacco leaves		

