Validation Report: ELISA

SRA 68000 • *Carnation mottle virus* (CarMV)

Test Characteristics

Test Name	Carnation mottle virus	**Capture Antibody**	Polyclonal (Rabbit)
Catalog Number	68000	**Detection Antibody**	Polyclonal (Rabbit)
Acronym	CarMV	**Format**	DAS-ELISA
Genus	Alphacarmovirus	**Diluents**	GEB/ECI
		Sample Dilution	1:10

Summary

This ELISA test is a qualitative serological assay for the detection of Carnation mottle virus (CarMV) in Carnation and Dianthus. CarMV is a member of the Alphacarmovirus genus known for their non-enveloped, spherical, icosahedral-shaped virus particles.

Diagnostic Sensitivity

True Positives	15
Correct Diagnoses	15
Percent	100%

Analytical Sensitivity

Limit of Detection: 1:48,600 dilution of infected tissue (pathogen titer unknown)

Analytical Specificity

Inclusivity:

This assay was designed to detect all strains and isolates of CarMV. Fifteen distinct samples of CarMV have been experimentally proven to be detected.

Exclusivity:

Cross-reacts With:

None known	

Does Not Cross-react With:

None known	

Diagnostic Specificity

True Negatives	15
Correct Diagnoses	15
Percent	100%

Selectivity:

No Matrix Effect Observed With:			
Carnation leaves	Dianthus leaves	Impatiens leaves	

Agdia, Inc.
52642 County Road 1
Elkhart, IN 46514
574-264-2014 / 800-622-4342
www.agdia.com / info@agdia.com