

Validation Report: ELISA

SRA 68500 • *Carnation necrotic fleck virus* (CNFV)



Test Characteristics

Test Name	Carnation necrotic fleck virus	Capture Antibody	Polystyrene Plate
Catalog Number	68500	Detection Antibody	Monoclonal (Mouse)
Acronym	CNFV	Format	ACP-ELISA
Genus	Closterovirus	Diluents	IEB/ECI
		Sample Dilution	1:100

Summary

This ELISA test is a qualitative serological assay for the detection of Carnation necrotic fleck virus (CNFV) in Carnation and Dianthus. CNFV is a member of the Closterovirus genus known for their Non-enveloped, flexuous and exceptionally long, filamentous virus particles.

Diagnostic Sensitivity

True Positives	23
Correct Diagnoses	23
Percent	100%

Analytical Sensitivity

Limit of Detection: 1:10,800 dilution of infected tissue (pathogen titer unknown)

Analytical Specificity

Inclusivity:

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

Exclusivity:

Cross-reacts With:

None known	
------------	--

Does Not Cross-react With:

None known	
------------	--

Diagnostic Specificity

True Negatives	20
Correct Diagnoses	20
Percent	100%

Selectivity:

No Matrix Effect Observed With:

Dianthus leaves			
-----------------	--	--	--



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

p105.1
Revised: 01/20/2021
Page 1 of 1