



ImmunoStrip® Validation Report
On-site Plant Pathogen Testing
Calibrachoa mottle virus (CbMV)
ISK/STX 83000

ImmunoStrip®

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Test Characteristics

Test Name	Calibrachoa mottle virus	Capture Antibody	Polyclonal (Chicken)
Catalog Number	83000	Detection Antibody	Polyclonal (Chicken)
Acronym	CbMV	Format	Lateral Flow Device
Genus	Alphacarmovirus	Diluents	SEB1
		Sample Dilution	1:20

Summary

The Calibrachoa mottle virus (CbMV) ImmunoStrip is used to detect the presence of CbMV in ornamental leaves. CbMV is a member of the Alphacarmovirus genus known for their non-enveloped, spherical, icosahedral-shaped virus particles. ImmunoStrips are the perfect screening tool for use in the field, greenhouse, and the lab.

Diagnostic Sensitivity

True Positives	27
Correct Diagnoses	27
Percent	100%

Analytical Sensitivity

Limit of Detection: 1:2,000,000 dilution of infected tissue (pathogen titer unknown)

Analytical Specificity

Inclusivity:

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

Exclusivity:

Cross-reacts With:

None Known	
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Does Not Cross-react With:

Carnation mottle virus (CarMV)	Hibiscus chlorotic ringspot virus (HCRSV)
Pelargonium flower break virus (PFBV)	Saguaro cactus virus (SCV)

Diagnostic Specificity

True Negatives	131
Correct Diagnoses	131
Percent	100%

Selectivity:

No Matrix Effect Observed With:			
Calibrachoa leaves	Coleus leaves	Impatiens leaves	Lobelia leaves
Nemesia leaves	Petunia leaves	Verbena leaves	