

# Validation Report: ELISA

SRA 14700 • *Spiroplasma citri* (Sc)



## Test Characteristics

Test Name	Spiroplasma citri	Capture Antibody	Polyclonal (Rabbit)
Catalog Number	14700	Detection Antibody	Polyclonal (Rabbit)
Acronym	Sc	Format	DAS-ELISA
Genus	Spiroplasma	Diluents	GEB/ECI
		Sample Dilution	1:10

## Summary

This ELISA test is a qualitative serological assay for the detection of *Spiroplasma citri* (Sc), the causal agent of citrus stubborn disease, in citrus crops. Sc is a member of the *Spiroplasma* genus that infect the phloem of the plant and are transmitted by leafhoppers.

## Diagnostic Sensitivity

True Positives	20
Correct Diagnoses	20
Percent	100%

## Analytical Sensitivity

Limit of Detection: 1:162 dilution of infected tissue (pathogen titer unknown)

## Analytical Specificity

### Inclusivity:

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

### Exclusivity:

#### Cross-reacts With:

None known	
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#### Does Not Cross-react With:

None known	
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## Diagnostic Specificity

True Negatives	15
Correct Diagnoses	15
Percent	100%

### Selectivity:

#### No Matrix Effect Observed With:

Citrus bark	Citrus leaves	Citrus stems	
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p125.1  
Revised: 12/22/2020  
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