

# Tech Note: Product Change and Improvement

PSA/SRA 18700 • *Turnip mosaic virus* (TuMV) ELISA

## Technical Note

We have recently updated the antibodies for *Turnip mosaic virus* (TuMV). These updates have resulted in the following improvements outlined below. Please visit the product webpage for the [validation report](#). Previous antibodies and components are not interchangeable with the new version.

## Changeover Guide

Do not use previous test components with the new test components.

Item	Previous Assay	New Assay
PathoScreen® Kit User Guide	N/A	m20.7
Reagent Set User Guide	m12.5	m12.5
Capture Antibody	00448 and below	00449 and above
Detection Antibody	00418 and below	00419 and above
Enzyme Conjugate	00418 and below	00419 and above
Coated Plates	N/A	00016 and above
Validation Report Number	p202.1	p344

For answers to your technical questions, please contact us at [techsupport@agdia.com](mailto:techsupport@agdia.com).

## Performance comparison: Analytical Sensitivity and Specificity

Agdia's new version of the TuMV ELISA has greater analytical sensitivity compared with the previous version of the assay. Optical density (O.D.) values for analytical sensitivity and specificity testing shown in Table 1 represent the average of three replicates run per sample.

**Table 1:** TuMV analytical sensitivity and specificity comparison between TuMV ELISA tests

Sample	Dilution	Agdia NEW ELISA O.D.	Agdia Previous ELISA O.D.
Positive Sample 1	1:500	1.970	1.558
	1:50K	0.257	0.208
Positive Sample 2	1:500	0.941	1.149
	1:10K	0.296	0.238
Positive Sample 3	1:500	1.911	1.453
	1:50K	0.210	0.185
Healthy Sample 1		0.093	0.090
Healthy Sample 2		0.091	0.087
Healthy Sample 3		0.094	0.090
Healthy Sample 4		0.095	0.092
Healthy Sample 5		0.092	0.091
Healthy Sample 6		0.089	0.090
Healthy Sample 7		0.099	0.097
Positive Control		3.558	2.875
Extraction Buffer		0.098	0.091

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Revised: 11/15/2023  
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