

Tech Note: Protocol Change and Product Improvement

PSA/SRA 32100 • *Beet western yellows virus* (BWYV) ELISA

Technical Note

We have recently updated the test protocols and antibodies for *Beet western yellows virus* (BWYV). 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 Protocol	New Protocol
PathoScreen® Kit User Guide	N/A	m20.7
Reagent Set User Guide	m12.5	m12.5
Capture Antibody	00264 and below	00265 and above
Detection Antibody	00264 and below	00265 and above
Enzyme Conjugate	00264 and below	00265 and above
Coated Plates	N/A	00003 and above
Validation Report Number	p143.2	p341

For answers to your technical questions, please contact us at techsupport@agdia.com.

Performance comparison: Analytical Sensitivity and Specificity

Agdia's new version of the BWYV 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: BWYV analytical sensitivity and specificity comparison between BWYV ELISA tests

Sample	Dilution	Agdia NEW ELISA O.D.	Agdia Previous ELISA O.D.
Positive Sample 1	1:100	3.697	3.246
	1:500	1.646	1.479
	1:1K	0.968	0.897
	1:5K	0.260	0.262
Positive Sample 2	1:100	0.262	0.158
	1:500	0.150	0.119
Positive Sample 3	1:10	1.167	1.027
Healthy Sample 1		0.089	0.100
Healthy Sample 2		0.089	0.103
Healthy Sample 3		0.087	0.101
Healthy Sample 4		0.084	0.101
Healthy Sample 5		0.090	0.105
Healthy Sample 6		0.086	0.100
Healthy Sample 7		0.083	0.103
Positive Control		3.729	3.006
Extraction Buffer		0.085	0.103

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