



ImmunoStrip® Validation Report

On-site Trait Diagnostics Testing

GAT4621

STX 59000

ImmunoStrip®

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Test Characteristics

Test Name	GAT4621	Format	Lateral Flow Device
Catalog Number	59000	Diluents	1X PBS
Acronym	GAT4621	Sample Dilution	Crop Dependent
Capture Antibody	Mouse (Monoclonal)		
Detection Antibody	Mouse (Monoclonal)		

Summary

The Agdia ImmunoStrip for GAT4621 is designed and validated for detecting the presence or absence of the GAT4621 protein in canola leaves and bulk grain. The Agdia GAT4621 ImmunoStrip is validated for testing transgenic canola with a detection limit of 9 in 1000 seeds (0.9%).

Diagnostic Sensitivity and Specificity

True Positives	200	True Negatives	200	Total Samples	400
Correct Diagnoses	199	Correct Diagnoses	200	Correct Diagnoses	399
Percent	99.5%	Percent	100%	Number of Operators	5
				Number of Production Lots	3
				Percent	99.8%

Selectivity:

No Matrix Effect Observed With:

Canola grain

Canola leaf

Analytical Specificity

Inclusivity:

Protein Detected:

GAT4621

Exclusivity:

Cross-reacts With:

None Known

Does Not Cross-react With:

CP4 EPSPS

NPTII

PAT/bar