



## Agdia Commercializes ToBRFV ImmunoStrip® to Complete Diagnostic Suite

March 18, 2021

Agdia, Inc. (Elkhart, IN) has added an ImmunoStrip® to their [Tomato brown rugose fruit virus \(ToBRFV\) diagnostic suite](#). Their [ImmunoStrip® for ToBRFV](#) is the third diagnostic assay launched by Agdia in the first half of 2021 for detection of this pathogen. Their high-specificity [ELISA assay for ToBRFV](#) was released on January 7, followed by a rapid molecular [AmplifyRP® XRT for ToBRFV](#) on January 12.

*Tomato brown rugose fruit virus* is a resistance-breaking *Tobamovirus* that causes severe economic losses in solanaceous crops, including *Solanum lycopersicum* (tomato) and *Capsicum* spp. (pepper). It causes symptoms typical of Tobamoviruses that include mosaic and chlorosis on the leaves and discoloration and deformation of the fruit. These symptoms decrease yield and render fruit unmarketable.



ImmunoStrip® for ToBRFV

Tomato and pepper seeds, transplants and fruits from certain countries are subject to a USDA-APHIS Federal Import Order in the United States. *Tomato brown rugose fruit virus* has also been classified as a quarantine pathogen by EPPO (European and Mediterranean Plant Protection Organization).

Agdia's [ImmunoStrip® for ToBRFV](#) has been validated for use with tomato, pepper and petunia samples and has been tested against ToBRFV isolates from around the globe.

Cross-reactivity was observed with a *Tomato mottle mosaic virus* (ToMMV) sample. Very mild cross-reactivity was observed with *Tobacco mosaic virus* (TMV) and *Tomato mosaic virus* (ToMV) samples. No other cross-reactions were observed when testing other Tobamoviruses, including *Bell pepper mosaic virus* (BPeMV), *Cucumber green mottle mosaic virus* (CGMMV), *Kyuri green mottle mosaic virus* (KGMMV), *Pepper mild mottle virus* (PMMoV), *Tobacco mild green mosaic virus* (TMGMV), and *Zucchini Green Mottle Mosaic Virus* (ZGMMV).

Agdia's [ImmunoStrip®](#) platform provides end-users with a high level of utility. ImmunoStrips® are fit for use in the lab or in the field by those having no previous diagnostic experience, and results are visualized within 30 minutes. Increasing levels of market demand persists for field-deployable plant pathogen detection products and Agdia maintains they will continue to expand this area of their catalog.

### About Agdia

A leading provider of diagnostic solutions for agriculture, Agdia, Inc. has been serving plant breeders, propagators, growers, universities, and private testing laboratories since 1981. The company offers a comprehensive portfolio of validated, easy-to-use diagnostics for identifying plant pathogens, hormones, and transgenic traits. In addition, Agdia operates an ISO accredited, in-house, testing services laboratory. Agdia's quality management system is ISO 9001:2015 certified and their Testing Services Laboratory is ISO 17025:2017 accredited. Visit the company's website at [www.agdia.com](http://www.agdia.com), e-mail [info@agdia.com](mailto:info@agdia.com), phone 1-574-264-2615 (toll-free 800-622-4342) or fax 1-574-264-2153. ImmunoStrip® is a registered trademark of Agdia, Inc.