

Tech Note: Cross-Reaction

SRA/ISK/STX 14800 • *Acidovorax avenae* subsp. *citrulli* (Aac) ELISA and ImmunoStrip®

Technical Note and Alert

Ochrobactrum pseudogrignonense [1] has been confirmed to produce strong positive cross-reactions on Agdia's Aac ELISA and ImmunoStrips, catalog numbers SRA 14800, ISK 14800, and STX 14800. *O. pseudogrignonense* is a saprophytic bacteria not related to Aac and not pathogenic to cucurbit plants.

If you observe a suspicious positive ELISA or ImmunoStrip result that you believe may be due to a cross-reaction with a saprophytic bacteria, it is suggested to re-test the plant as follows: re-sample the same area of the plant, rinse the leaf with deionized or similar purity water and then dry the leaf before extracting the sample. Proceed with the ELISA or ImmunoStrip as instructed.

The above observations demonstrate the continuing need to confirm positive serological results before making important crop management decisions. ELISA and ImmunoStrip results may be confirmed by PCR, by sequencing, by cultural tests, and by bioassays.

References:

[1] Andrew Lyon, Eurofins, personal communication.

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

ImmunoStrip® is a registered Trademark of Agdia, Inc



Agdia, Inc.
52642 County Road 1
Elkhart, IN 46514
574-264-2014 / 800-622-4342
www.agdia.com / info@agdia.com

n218
Revised: 07/06/2020
Page 1 of 1