Agdia Launches ImmunoStrip® Test for *Orchid Fleck Virus* (OFV)

Agdia is pleased to announce commercial launch of a new product for rapid, in-field detection of *Orchid fleck virus* (OFV) on their popular ImmunoStrip® platform.

Orchid fleck virus is an emerging *Dichorhavirus* that is transmitted by *Brevipalpus* mites (also known as flat mites or false spider mites).

First reported in Japan, OFV has now been detected across the globe, with reports of detection out of China, Europe, South Africa, Australia, and the Americas.

Orchid fleck virus has been found to infect at least 70 orchid species from many genera, including *Dendrobium*, *Cymbidium*, *Epidendrum*, *Dendrochilum* (syn. *Coelogyne*), and *Brassia* (spider orchids).

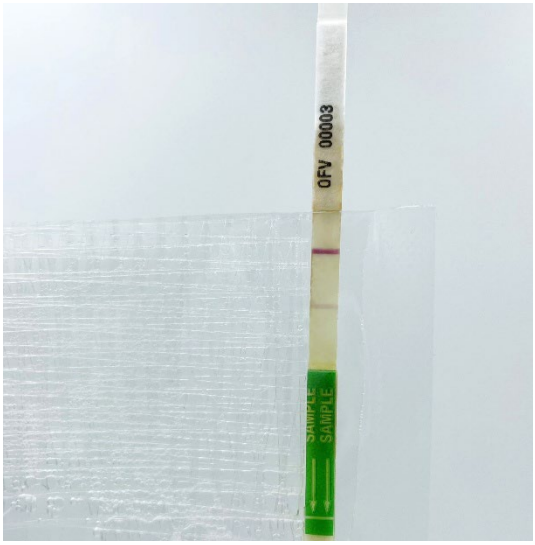

Figure 1: Agdia's new ImmunoStrip® for *Orchid fleck virus* (OFV)

Orchid fleck virus is thought to be one of the causal agents of citrus leprosis disease that infects orange, lime, grapefruit and lemon. Symptoms of citrus leprosis disease include lesions on the leaves, twigs, branches and fruit of citrus trees.

Other known hosts of OFV include *Liriope* spp. (Lilyturf), *Veronica* (Speedwell), *Aspidistra elatior* (cast iron plant/bar-room plant), *Cordyline fructicosa* (Ti), and *Ophiopogon intermedius* (Aztec grass).

In orchids, symptoms of *Orchid fleck virus* infection include chlorotic and necrotic flecks, spots and ringspots. The virus may stay localized to the lesions or spread to other areas of the plant.

This test was developed not only due to increasing official reports of OFV around the world, but also because many concerned friends and clients of Agdia in the orchid community reached out to request an onsite testing solution. For cultivators interested in sending samples to Agdia's service lab for testing, *Orchid fleck virus* is now included on the Agdia Testing Services Orchid and Citrus screens.

The new ImmunoStrip® for *Orchid fleck virus* detected all 27 OFV-positive samples tested during product validation, resulting in a diagnostic sensitivity of 100%. No cross-reactions were observed when this product was tested against other virus species. No false positive reactions were observed after testing against 27 healthy host species tissues.

Agdia's ImmunoStrip® platform provides end-users with unrivaled utility; samples can be tested in the field or lab by those having no previous diagnostic experience, and results are visualized within 30 minutes. This product includes everything necessary to perform a test and does not require special equipment.

The testing protocol is simple and includes:

1. Sample collection and extraction in Agdia buffer bags.
2. Placing the ImmunoStrip® in the sample extraction bag.
3. Allowing results to develop.

Test results are visualized as a single control line or a control and test line for negative or positive results, respectively. The introduction of Agdia's ImmunoStrip® for *Orchid fleck virus* expands their catalog to 56 plant pathogen products on this platform.

The OFV ImmunoStrip® is sold in kits of 5 or 25 strips, and kits include everything necessary to perform a test. Agdia provides a one-year warranty and comprehensive customer support on all purchased products.

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/IEC 17025:2017 accredited by ANAB. Visit the company's website at www.agdia.com, e-mail info@agdia.com, phone 1-574-264-2615 (toll-free 800-622-4342) or fax 1-574-264-2153.