



**Authorized Distributor**



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Acceler<sup>TM</sup>

Accelerate your results. Amplify your expectations.

*Plum pox virus (PPV)*

Amplify<sup>®</sup>RP

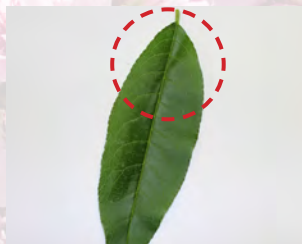


## Plum pox virus (PPV)

*Plum pox virus*, is an aphid-transmitted potyvirus that causes Sharka disease, resulting in significant loss of yield and marketability of stone fruit (peaches, plum, cherry, etc). PPV is found around the world and is of particular importance in Europe and other Mediterranean regions. PPV detections have been confirmed in the U.S. and Canada in the late 1990's and early 2000's which instigated large scale testing and eradication programs due to the severity of the disease.

## How does Acceler8 work?

Collect your sample. Agdia recommends testing the basal portion of the leaf tissue.



Add the unopened reaction tube to the reaction apparatus provided in the kit.



Sample extraction is completed in minutes using a pre-filled buffer bag with mesh lining.



Insert the reaction apparatus into the detection chamber. Push down on the handle of the detection chamber until it snaps shut. Wait 20 minutes before interpreting results.



Amplification is completed in 15 minutes using only a portable heat block. The heat block is lightweight and can easily be transported to the field if necessary.



Yes or No results are reported on a lateral flow strip housed within an amplicon containment device.



## AmplifyRP Acceler8 for PPV

Agdia has developed a rapid nucleic acid test, based on AmplifyRP Acceler8 technology, that detects *Plum pox virus* (PPV) in a matter of minutes. There are no cumbersome RNA extractions or expensive equipment required to perform AmplifyRP Acceler8 assays. Target RNA is amplified at a single operating temperature in an easy-to-use portable heat block. Amplified product is then tested for in an Amplicon Detection Chamber where clear "yes / no" results are read visually on a lateral flow strip (much like a pregnancy test). The entire testing process can be completed in as little as 30 minutes by users of any skill level.

A convenient property of the AmplifyRP Acceler8 for PPV is that it was designed to run in GEB4 extraction buffer; the same extraction buffer used in Agdia's PPV ELISA (USDA approved testing method for PPV) as well as the ImmunoStrip. This test has been validated to detect the following strains: PPV-C, PPV-M, PPV-D, PPV-EA, PPV-Rec, PPV-W, PPV-T, PPV-CR, PPV-An.

## Ordering Information:

AmplifyRP Acceler8 kits for PPV are available immediately and can be ordered using product number ACS 31505/0008 .

Each kit contains:

- Acceler8™ reaction pellets (8)
- Amplicon detection chambers (8)
- PD1 Pellet diluent (1.0 ml)
- GEB4 sample extraction bags (8)
- 1µl transfer loops (10)
- User Guide

To order, contact Agdia by calling 574-264-2615 or toll-free at 800-622-4342.

Agdia has developed or is currently developing Acceler8 tests for several plant pathogens. For the most current list of available pathogens, please visit Agdia's website: [www.agdia.com/amplifyrp](http://www.agdia.com/amplifyrp)

If you are interested in collaborating with Agdia to develop a specific assay, please contact us at 800-622-4342.