

# Product Information

## ELISA Tests for Potato Pathogens

Our ELISA reagents for the detection of potato viruses are provided in the convenient double antibody sandwich procedure (DAS-ELISA) for a working volume of 200 µl per well. They are offered either as «Complete kits», «Reagent sets» or «Individual reagents» in different sizes. For details, see [www.bioreba.com](http://www.bioreba.com) or our product catalogue. The following ELISA reagents are available:



### Main potato viruses

PLRV	Potato leafroll virus
PVA	Potato virus A
PVM	Potato virus M
PVS	Potato virus S
PVX	Potato virus X
PVY*	Potato virus Y

### Other potato pathogens

AMV	Alfalfa mosaic virus
APLV	Andean potato latent virus
APMMV	Andean potato mild mosaic virus (see APLV)
APMoV	Andean potato mottle virus
PMTV	Potato mop-top virus
PVV	Potato virus V
PYBV	Potato yellow blotch virus (see PVA)
Ralstonia	<i>Ralstonia solanacearum</i>
Sss	<i>Spongospora subterranea</i> f.sp. <i>subterranea</i>
TBRV	Tomato black ring virus–potato strain
TNV	Tobacco necrosis virus

\* Four different PVY reagents are available: monoclonal (PVY-mono), monoclonal cocktail (PVY-monocock), polyclonal (PVY-poly), and the necrotic strain specific (PVY<sup>N</sup>). For more information please see the specific Product Information «PVY» available on [www.bioreba.com](http://www.bioreba.com).

### Buffers

For all potato reagents, we recommend our extraction buffer «General» (Art. No. 110120) for testing leaf samples at a ratio of 1:20 (w/v). For testing sprouted tuber samples (sprouts of potato), a special extraction buffer «Bulbs & Tubers» (Art. No. 110122), containing egg albumin (ovalbumin), is used at a ratio of 1:10 to 1:20 (w/v; 2). This considerably reduces non-specific reactions induced by some plant tissues.

The buffers must be stored at 4°C, but used at room temperature (20-25°C). Thus, it is advisable to bring the aliquot needed for the actual number of test(s) to room temperature before it is used. The extraction buffer «Bulbs & Tubers», however, should be prepared freshly (addition of the egg albumin) every day before use. All buffers needed in ELISA are provided in the complete kits or are also available separately in bulk quantities as concentrates.

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Adaptations from last version: new pathogens and minor modifications.