# **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 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 Potato virus X PVX 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

**PYRV** Potato yellow blotch virus (see PVA)

Ralstonia Ralstonia solanacearum

Sss Spongospora subterranea f.sp. subterranea **TBRV** Tomato black ring virus-potato strain

TNV Tobacco necrosis virus

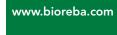
# **Buffers**

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.







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