

Important information for users of the *PCR macroarray potato virus kit*



A) Detection of potato spindle tuber pospiviroid (PSTVd)

Our current knowledge on the detection of potato spindle tuber pospiviroid (PSTVd) is based on the OEPP/EPPO Bulletin **34**, 257-269 (2004) with its methods and recommendations.

Detection is difficult because none of the known detection methods described so far can specifically identify PSTVd (see page 258). To detect and identify the viroid a scheme with a primary and secondary detection test is suggested followed by cloning and sequencing an RT-PCR product to confirm that the viroid is PSTVd.

The detection of PSTVd with our *PCR macroarray potato virus kit* should be recognized as a primary detection method and hence, with a positive result, a second detection test and confirmation by sequencing has to be performed.

In addition, the concentration of the viroid varies greatly depending on the tissue and its growth stage. Therefore in some cases the viroid cannot be detected with the *PCR macroarray potato virus kit* and successful analyses can only be done with another tissue or an earlier/later stage of the plant.

B) Development

Please note: Much clearer results can be obtained, when the colour development (User guide Page 6, Chapter 5.3, Step 13) is performed in the dark in the thermal shaker for 7 minutes at 55° C without shaking!

Reinach, July 2016