*Candidatus Arsenophonus phytopathogenicus* / *Candidatus Phytoplasma solani* / *Verticillium* spp.

# qPCR ARS/PHY/VER
# One assay: Three important vascular pathogens

The BIOREBA **qPCR ARS/PHY/VER set** provides a powerful all-in-one solution for the detection of the most important pathogens associated with complex decline symptoms in potatoes, sugar beet and other host plants:

- ***Candidatus Phytoplasma solani***, the causal agent of Stolbur
- ***Candidatus Arsenophonus phytopathogenicus***, the causal agent of Syndrome des Basses Richesses, SBR
- ***Verticillium* spp.**



Mixed infections may occur under field conditions, making differential diagnosis challenging. The BIOREBA qPCR ARS/PHY/VER set is a Quadruplex TaqMan-based Real-time PCR for the reliable detection of the three plant pathogens and an additional host plant sequence (cytochrome oxidase, COX) as internal positive control. Designed for modern plant diagnostic laboratories, it combines convenience, efficiency and trusted BIOREBA quality in one multiplex qPCR assay.

## Key benefits:

- Multiplex TaqMan real-time PCR for the individual detection of three pathogens in a single reaction
- Including an internal positive control targeting the plant cytochrome oxidase (COX)
- Suitable for potato, sugar beet, celery, grapevine and additional host plants
- Developed and validated by BIOREBA
- Lyophilized Master Mix with integrated primer and probes for convenient handling and consistent performance
- Simplified logistics with room temperature transport

For more information, please consult the User Guide and Validation Report on www.bioreba.com.

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