Plant pathogens diagnostics – price list

Prices

ELISA tests [qualitative]	5€/test
PCR tests [semi-quantitative]	20€/test
RT-PCR tests [semi-quantitative]	25€/test

Further information

Results are usually released in 30 days after samples arrival in the form of the Report. The Laboratory is approved by Central Institute for Supervising and Testing in Agriculture for the diagnostic of apple proliferation phytoplasma (AP) by a PCR method and plum pox virus (PPV) by an ELISA method.

Laboratory for molecular biology, part of Laboratory complement, is also accredited in accordance with ČSN EN ISO/IEC 17025:2005 - General requirements for the competence of testing and calibration laboratories, with the scope of accreditation Detection of plant pathogens by molecular biology methods.

Further information can be found at http://www.vsuo.cz/112/Laboratorni_komplement.
For sampling information and Request form please contact the Laboratory.

Contact information

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We offer the following diagnostic tests

Stone fruits

ELISA tests [qualitative]

PPV	Plum pox virus
PDV	Prune dwarf virus
PNRSV	Prunus necrotic ringspot virus

ApMV	Apple mosaic virus
ACLSV	Apple chlorotic leaf spot virus
CLRV	Cherry leaf roll virus
RpRSV	Raspberry ringspot virus
SLRSV	Strawberry latent ringspot virus
ArMV	Arabis mosaic virus
TBRV	Tomato black ring virus

qPCR tests [semi-quantitative]

Candidatus Phytoplasma prunorum ESFY (European stone fruit yellows)

Accredited method.

RT-qPCR tests [semi-quantitative]

LChV-1, -2	Little cherry virus-1; Little cherry virus-2
PPV + **strain determination**	Plum pox virus; Strains M; D; Rec
PDV	Prune dwarf virus
PNRSV	Prunus necrotic ringspot virus
ApMV	Apple mosaic virus
ACLSV	Apple chlorotic leaf spot virus

Generally, RT-PCR tests are more sensitive than ELISA assays.

Pome fruits

ELISA tests [qualitative]

ApMV	Apple mosaic virus
ACLSV	Apple chlorotic leaf spot virus
ASGV	Apple stem grooving virus
ASPV	Apple stem pitting virus

qPCR tests [semi-quantitative]

Candidatus Phytoplasma mali AP (Apple proliferation)

Candidatus Phytoplasma pyri PD (Pear decline)

Accredited method.

Erwinia amylovora

Pseudomonas syringae

RT-qPCR tests [semi-quantitative]

ApMV	Apple mosaic virus
ACLSV	Apple chlorotic leaf spot virus
ASGV	Apple stem grooving virus
ASPV	Apple stem pitting virus

Generally, RT-PCR tests are more sensitive than ELISA assays.

Strawberry

ELISA tests [qualitative]

ArMV	Arabis mosaic virus
RpRSV	Raspberry ringspot virus
SLRSV	Strawberry latent ringspot virus
SMYEV	Strawberry mild yellow edge virus
TBRV	Tomato black ring virus

RT-qPCR tests [semi-quantitative]

SMYEV	Strawberry mild yellow edge virus

Generally, RT-PCR tests are more sensitive than ELISA assays.

Currant

ELISA tests [qualitative]

ArMV	Arabis mosaic virus
RpRSV	Raspberry ringspot virus
CMV	Cucumber mosaic virus
SLRSV	Strawberry latent ringspot virus

Raspberry, blackberry

ELISA tests [qualitative]

RBDV	Raspberry bushy dwarf virus
RpRSV	Raspberry ringspot virus

SLRSV	Strawberry latent ringspot virus
ArMV	Arabis mosaic virus
TBRV	Tomato black ring virus
ApMV	Apple mosaic virus
CMV	Cucumber mosaic virus
CLRV	Cherry leaf rollvirus

Other

qPCR tests [semi-quantitative]

Bacteria: *Xylella fastidiosa*

Fungi: *Marssonina coronaria* (*Diplocarpon mali*)