



Plant pathogens diagnostics – Price list

Prices

ELISA tests [qualitative]	5€/test
PCR tests [semi-quantitative]	21€/test
RT-PCR tests [semi-quantitative]	25€/test

Further information

Results are usually released in 30 days after the arrival of samples 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.

The Laboratory for molecular biology, part of the Laboratory complement, is also accredited in accordance with ČSN EN ISO/IEC 17025:2018 - General requirements for the competence of testing and calibration laboratories, with the scope of accreditation Detection of plant pathogens by molecular biology methods.

Contact information

VÝZKUMNÝ A ŠLECHTITELSKÝ ÚSTAV OVOCNÁŘSKÝ HOLOVOUSY s.r.o.

Research and Breeding Institute of Pomology Holovousy

Holovousy 129; 508 01 Hořice, Czech Republic

Tel: +420 491 848 -222; -221; -220; -219

Mobil: +420 739 197 729; +420 739 310 642

E-mail: LMB@vsuo.cz (information regarding analyses); laboratorni.komplement@vsuo.cz

Working hours: Mo – Fr 7:00 – 15:30



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) **Accredited method.**
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
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]

SCV Strawberry crinkle virus
SMoV Strawberry mottle virus
SMYEV Strawberry mild yellow edge virus
SPV1 Strawberry polerovirus-1
StrV-1 Strawberry virus 1
SVBV Strawberry vein banding virus
Generally, RT-PCR tests are more sensitive than ELISA assays.

Currant

ELISA tests [qualitative]

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

RT-qPCR tests [semi-quantitative]

BRV Blackcurrant reversion virus
GVBaV Gooseberry vein banding associated 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]

Fungi: *Marssonina coronaria* (*Diplocarpon mali*)
 Cytospora spp.