

## Other potato diseases testing

The Laboratoire d'analyse biologique (LAB) has developed or adapted immunological or molecular techniques for the detection of potato pathogens using diagnostic protocols approved by the Quebec potato Seed Certification Program [Programme de certification des pommes de terre de semence du Québec (PCSQ)].

The LAB has developed immunological (ELISA) and molecular (PCR, RT-PCR) protocols to detect efficiently numerous potato pathogens.

Detection of potato pathogens	Types of test protocol	
	Immunological	Molecular
<i>Clavibacter michiganensis subsp. sepedonicus</i> , The causal pathogen of bacterial ring rot (BRR)	TAS ELISA v.3.0 IMF v.3.0	PCR v.3.0
Potato viruses: PVA, PVM, PVS, PVX, PVY, PLRV et PotLV	DAS ELISA et TAS ELISA v.5.0	RT-PCR v.3.0
Potato mop-top virus (PMTV)	TAS ELISA v. 2b ADGEN	RT-PCR v. 3.0
Potato spindle tuber viroid (PSTVd) In potato leaves and tubers		RT-PCR v.3.0

### Important notice :

No sample will be tested without these forms (PDF to download) **Report of sample proceeding for potato diseases testing approved by PCSQ** and **Description of the samples submitted for potato diseases testing approved by PCSQ** completed, signed and joined to the submitted samples.

### Testing fees:

Testing fees vary according to the number of samples submitted at the same time, as well as with the period of the year they are sent in to be tested. Please contact the person in charge to get an estimate.

### Persons to contact :

[Richard Hogue](mailto:richard.hogue@irda.qc.ca) : 418-644-6744

[richard.hogue@irda.qc.ca](mailto:richard.hogue@irda.qc.ca)

Edith Plante : 418-643-9462

[edith.plante@irda.qc.ca](mailto:edith.plante@irda.qc.ca)