

POTATO LABORATORY ANALYSES

From 01.04.2024

Blackleg

Bacterial test package

(*Pectobacterium atrosepticum*, *P. parmentieri*, *P. brasiliense* and *Dickeya solani*) *

- 10 subsamples of 10 tubers
- 20 subsamples of 5 tubers

Test for a single bacterium

(*P. atrosepticum*, *P. carotovorum*, *P. parmentieri*, *P. brasiliense* or *D. solani*) *

- 10 subsamples of 10 tubers
- 20 subsamples of 5 tubers

Species identification (5 bacteria) from symptomatic plant/tuber **

Virus test from tubers *

- **PVY**, analysis of 20 subsamples of 5 tubers
- **PVY**, analysis of 100 tubers

Virus test from leaves *

- **PVY**, analysis of 100 leaves

* Recommended submitted sample size is 200 tubers/leaves, of which 100 tubers/leaves are tested.

** Sample size is 10 tubers/stems (maximum).

INSTRUCTIONS FOR SAMPLING AND DISPATCHING

It is important that your sample is representative of your seed lot or your field. To obtain a representative composite sample, collect tubers randomly from several boxes without selecting. The appropriate sample size for virus or blackleg analysis is 200 tubers per hectare or 20 tons, of which 100 tubers are tested. If samples are not delivered on the day they are collected, it is advisable to keep them in the fridge and submit them without delay to avoid loss of biological information.

Please pack tubers in a paper bag and leaves in a plastic bag. Mark each bag with your reference. We will use your reference when reporting the test results to you. It is also advisable to enclose a covering note which is available on our web site www.luke.fi/perunalaboratorio. If you can not deliver your sample directly to our lab, you can mail it to us.

The samples are kept for four weeks after the analyses.

Please always contact the laboratory when planning to use our analysis services, Tel. +358 29 532 6130

Delivery address: Natural Resources Institute Finland (Luke), Lynet laboratory, Linnanmaa K5, 90570 Oulu, FINLAND
www.luke.fi/perunalaboratorio