

X-disease and Little Cherry Disease Proficiency Testing

In order to help the industry manage X-disease and Little cherry disease WSU is providing support for commercial labs including updated protocols, positive controls, training where possible and proficiency testing.

Participating labs have:

1. Have a signed MOA with WSU agreeing to use WSU X-disease phytoplasma and Little cherry virus 2 testing protocols last updated June 2020.
2. Have been provided with positive controls from WSU.
3. Participate in proficiency testing conducted by WSU with cooperating labs in order to help labs maintain the highest quality outputs for growers. ***WSU is not a certifying agency and can only provide testing as a service to the cherry industry.*** Samples included in the panel include known negative and positive samples. Samples are pooled, homogenized and a subsample tested by WSU Prosser. Subsamples of pooled samples are provided to participating labs which contain tissue to be tested. Participating labs use standardized protocols provided at <http://treefruit.wsu.edu/labs-lchv2-xdp/>. To pass the panel, all negative samples must be correctly identified (***with a cut off of 38 Cq***), and 85% of results of positives must fall within a range of +6 cycles (Cq values).

Date passed proficiency tests

Labs	July 4, 2020		July 23, 2020		Feb 1-15 2021		April 8-21, 2021		June 7-21, 2021	
	LChV2	XDP	LChV2	XDP	LChV2	XDP	LChV2	XDP	LChV2	XDP
Oregon State University [‡]	---	---	Aug 13	July 23	Mar 4	Mar 4	**	**	Jun 22	Jun 22
AGNEMA	July 21	July 21	July 27	Aug 8	Mar 4		April 22	April 22	Jun 22	
Eurofins Cascade Analytical	July 30		Aug 20	Aug 20	Mar 4	Mar 4	April 22	April 22	Jun 22	Jun 22
IEH Institute for Environmental Health	DNP	DNP	DNP	DNP	DNP	DNP	April 22	April 22	Jun 30	Jun 30
AL&L Crop Solutions, Inc. [‡]	DNP	DNP	DNP	DNP	Mar 27 [‡]	Mar 27 [‡]	April 22	April 22	Jun 22	Jun 22
Agdia	DNP	DNP	DNP	DNP	April 1 [‡]	April 1 [‡]	DNP	DNP	Jun 22	Jun 22
NuPhy	DNP	DNP	DNP	DNP	DNP	DNP	May 10 [‡]	May 10 [‡]	DNP	DNP

DNP= did not participate

[‡]Received samples at a later date than other labs.

[‡]MOA not yet in place.

**Due to mailing carrier delay samples did not arrive in adequate condition for processing.