



## Field-Deployable Molecular Assay Available from A&L for Detection of Hop Latent Viroid (HLVd)

AmplifyRP® isothermal chemistry for HLVd and AmpliFire® portable fluorometer from Agdia are available for purchase from A&L Canada Laboratories:

### AmplifyRP XRT for HLVd

- Real-time isothermal amplification kit
- 48 reactions
- *NOTE:* This assay requires a fluorometer to work properly

**Product #: XCS 76500/0048**

**Cost: \$811.20 CAD**

### Portable Fluorometer

- AmpliFire Isothermal Fluorometer



**Cost \$12,083.50 CAD**

*Total Assay Time: Less than 30 minutes when used with the AmpliFire as a real-time assay.  
To order, or for more information, contact the A&L office at [clientcarecannabis@alcanada.com](mailto:clientcarecannabis@alcanada.com)*

### AmplifyRP® XRT for HLVd: Rapid RNA Amplification Test Kit

AmplifyRP XRT for HLVd is a rapid RNA amplification and detection platform designed for field-based or laboratory testing of hops and *Cannabis* spp (including industrial hemp) for *Hop latent viroid*. This kit includes lyophilized reaction pellets containing the necessary reagents to amplify HLVd RNA at a single operating temperature (42 °C).

#### Includes:

- XRT reaction pellets for HLVd (48)
- Pre-filled 100 µL PD1 Pellet diluent tubes (48)
- GEB-filled mesh extraction bags (50)
- [User Guide](#)



AmplifyRP XRT is a real-time isothermal nucleic acid amplification and detection system that rapidly amplifies small portions of DNA or RNA and offers unrivaled detection capabilities in an easy-to-use testing format. It offers comparable sensitivity and specificity to published PCR methods while eliminating laborious and costly nucleic acid extractions.

The test can be performed virtually anywhere using the battery operated AmpliFire fluorometer. Assay parameters are loaded via barcode and results are automatically displayed as ( + ) or ( - ).

Prior molecular diagnostic experience is not required to perform AmplifyRP XRT tests.

## AmpliFire® Isothermal Fluorometer

AmpliFire is a portable, battery-powered, isothermal fluorometer that performs amplification and detection in as little as 10 minutes when paired with AmplifyRP XRT and XRT+ chemistry. Featuring an intuitive touch screen interface, integrated analysis software, and barcode scanning for protocol setup, the AmpliFire offers the ultimate ease of use!



### Includes

- Amplifire
- Power supply
- [Manual](#)

### Key Features

- Easy portability enabled by small size and rechargeable battery that lasts up to six hours
- Easy to use, full-color, touch screen interface
- Up to eight samples per run
- Ten second scan time across three fluorescence channels
- Supports multiple isothermal chemistries

### Benefits

- Use in lab or field settings
- Crude sample preparation
- Rapid sample to answer functionality
- Light weight and small footprint
- Intuitive software workflow

### Software and Data Analysis

- Integrated barcode scanner automatically loads protocols
- Amplification curves displayed in real time
- Positive, negative, and indeterminate calls made automatically
- Supports multiple calling algorithms
- Detailed data export available in CSV format

Agdia has been a leading provider of plant pathogen diagnostics since 1981. A&L Canada Laboratories is the exclusive distributor of Agdia products in Canada.

A full range of Agdia products for in-field diagnostics is available on-line through the A&L Canada website at: <https://www.alcanada.com/content/products/agdia-store>