



Life Technologies™

Your Molecular & Cell Technology Partner



AmplifyRP® XRT for BCTV (Beet curly top virus)



Part Number XCS 11000/0048

AmplifyRP® XRT for BCTV is a rapid DNA amplification and detection platform designed for field-based or laboratory testing of Beet curly top virus in many crops including: bean, beet, hemp (*Cannabis* spp.), pepper, potato, spinach, and tomato. This kit includes lyophilized reaction pellets containing the necessary reagents to amplify BCTV DNA at a single operating temperature (42 °C).

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 (-).

NOTE: *This assay requires a fluorometer to work properly.*

Prior molecular diagnostic experience is not required to perform AmplifyRP® XRT tests. Total assay time is less than 30 minutes when used with the AmpliFire® as a real-time assay.

Included:

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

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