

# PK-X.arbori.pruni-050W - 50rxns

For research purposes only. Not for use in diagnostic procedures for clinical purposes.  
FOR *IN VITRO* USE ONLY

## Cat. No. PK-X.arbori.pruni-050W

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### Product Description:

The PK-X.arbori.pruni-050W Master Mix is designed to simplify the preparation of an isothermal amplification assay. The master mix contains a proprietary fast, novel DNA polymerase, proprietary thermostable inorganic pyrophosphatase, optimised reaction buffer, MgSO<sub>4</sub>, dNTPs, ds-DNA binding dye (FAM detection channel) and separate optimised primers.

### Stability:

The Isothermal Master Mix wet reagents are stable for a minimum of twelve months when stored at -20°C in a non-frost-free freezer.

### Supplied Reagents:

1 vial containing 50rxn mastermix

1 vial containing 50rxn of *Xanthomonas arboricola pv. pruni* primer mix

We do **NOT** advise pre-mixing the primers with the mastermix and storing the pre-mixed reaction mix.

### Usage:

The use of a Plant material DNA extraction kit (EXT-001) is recommended for preparation of template.

A typical 25µl reaction would contain the following:

Component	Volume	Final concentration
Isothermal Master Mix	15µl	1x
Primer Mix	5µl	1x
Template	1µl	-
Water	4µl	
<b>Total</b>	<b>25.0µl</b>	

**Typical amplification conditions for this kit are:**

Amplification 30mins 65°C  
Anneal 98°C - 80°C - ramping at 0.05°C per second

Product anneal temperature; 87.8±1°C

**Note:**

Due to the presence of the inorganic pyrophosphatase there will be no accumulation of PPi.

**Quality Control:**

The Isothermal Master Mix has been tested for performance in Loop-mediated Isothermal DNA amplification.

Manufactured in the UK

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