

PK-P.ramorum-050W - 50rxns

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

Cat. No. PK-P.ramorum-050W

Product Description:

The PK-P.Ramorum-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, MgSO₄, 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 *Phytophthora ramorum* FOLIAR primer mix

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

Usage:

A typical 25µl reaction would contain the following:

Component		Volume	Final concentration
Isothermal Master Mix	15µl	1x	
Primer Mix	5µl	1x	
Template	5µl	-	
Total	25.0µl		

Typical amplification conditions for this kit are:

Amplification 20mins 65°C
Anneal 98°C - 80°C - ramping at 0.05°C per second

Product anneal temperature; 87°C +/- 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

OptiGene Ltd.
Unit 5 Blatchford Road
Horsham
WestSussex
RH13 5QR
UK

Tel: +44 (0) 1403 274980
FAX: +44 (0) 1403 271017

Notice to purchaser: limited license

The purchase price of this product includes a limited, non-transferable license under European Patents EP1,020,534, EP1,873,260, EP2,045,337, EP1,416,055, EP1,724,361 or their foreign counterparts, owned by Eiken Chemical Co., Ltd.