

# PK-CMS-050W - 050rxns

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

**Cat. No. PK-CMS-050W**

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## Product Description:

The PK-CMS-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 *Clavibacter michiganensis subsp. sepedonicus* 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	-	
<b>Total</b>	<b>25.0µl</b>		

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**OptiGene Ltd.**

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

Amplification 30mins 65°C  
Anneal 98°C - 75°C - ramping at 0.05°C per second

Product anneal temperature; 88.0±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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**Notice to purchaser: limited license**

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