

PK-COX-050W - 50rxns

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

Cat. No. PK-COX-050W

Product Description:

The PK-COX-050W Isothermal 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 Plant COX gene 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 30mins 65°C
Anneal 98°C - 80°C - ramping at 0.05°C per second

Product anneal temperature; 85.0±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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