



IsoAmp® III Enzyme Mix

Catalog # H1020S

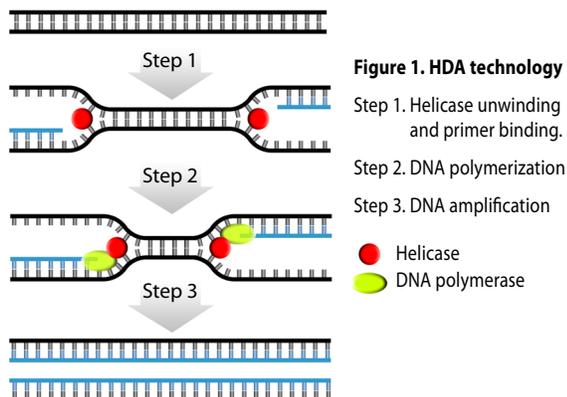
Store at -20°C

Concentration: 2 µL per reaction

Amount: 100 µL

DESCRIPTION

IsoAmp® III Enzyme Mix is used to perform thermophilic Helicase-Dependent Amplification (tHDA), a novel method for isothermal amplification of nucleic acids. Like PCR, the tHDA reaction selectively amplifies a target sequence defined by two primers. However, unlike PCR, tHDA uses an enzyme called a helicase to separate DNA, rather than heat. This allows DNA amplification without the need for thermocycling. The tHDA reaction can also be coupled with reverse transcription for RNA analysis.



IsoAmp® III Enzyme Mix contains helicase, DNA polymerase and single-stranded DNA binding protein in a carefully optimized condition to support robust and specific amplification with reduced non-specific products due to primer-dimer. In some cases, rapid amplification may be achieved by adding more IsoAmp® III Enzyme Mix into the reaction (unpublished observation).

SUPPLIED WITH:

10X Annealing Buffer II

REACTION CONDITIONS:

1X Annealing Buffer II [10 mM KCl, 20 mM Tris-HCl, pH 8.8 @ 25°C]. Supplement with MgSO₄, NaCl and IsoAmp dNTP solution. Incubate at 63 - 65°C.

STORAGE CONDITIONS:

Store at -20°C.

NOTICE TO PURCHASER

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