



66677

## HSP Mix (2x)

Part E

### Specifications

Appearance (Form)	Liquid
Appearance (Colour)	Blue
Appearance (Clarity)	Clear
Absence of nucleases	No DNA degradation seen when incubated with the Master mix
DNA contamination	No Plasmid or Genomic DNA contamination seen.

### Other Information

Description

HSP 2X Mix is a premixed, ready-to-use solution containing HSP Taq DNA Polymerase, dNTP, Mg<sup>2+</sup> and Reaction Buffer at optimal concentrations for efficient amplification of DNA templates by PCR. To prepare the final PCR, only primers and template DNA are added. HSP Mix contributes to highly reproducible PCR by reducing the risk of pipetting errors, miscalculation and contamination. It also contributes to higher specificity by optimizing the system, reducing primer-dimer rate.

HS Taq DNA Polymerase is a thermostable recombinant DNA polymerase derived from thermophilic bacterium *Thermus aquaticus*. Its molecular weight is 94 kDa. HS Taq DNA Polymerase can amplify DNA target up to 5 kb. The elongation velocity is 0.9~1.2kb/min. It has 5' to 3' polymerase activity but lacks 3' to 5' exonuclease activity that results in a 3'-dA overhang PCR product. All components of the HSP Mix are at optimal concentration for efficient amplification. It contributes to highly specific incorporation of primer and template.

#### Applications

High throughput PCR.  
High Specificity PCR Routine PCR with high reproducibility  
Generation of PCR products for TA cloning

1ml (40 rxns)  
• HSP Mix (2x) -1.0 ml  
• Water, Nuclease Free - 1.0ml

Includes

5 x 1ml (200 rxns)  
• HSP Mix (2x) - 1.0 ml x 5  
• Water, Nuclease Free - 1.0ml x 5

## General Information

Storage	-20 °C (Blue/Dry Ice)
Shelf Life	24 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
1 ml	38229090 (GST 12%)
5 x1 ml	38229090 (GST 12%)

## Available Packages

1 ml

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5 x1 ml

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### Disclaimer

The information represented here may/may not represent the entire product specification, application or protocol recommended by Sisco Research Laboratories Pvt. Ltd. (SRL). This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above. For actual batch related documents, mail us.

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