



5x HOT FIREPoI[®] GC Master Mix

Cat. No.

Lot. No.

Dispense No.

Expiry date:

Description:

5x HOT FIREPoI[®] GC Master Mix is designed to provide highly specific high-yield amplification of GC-rich templates. Master Mix is a premixed ready-to-use solution containing all reagents required for PCR (except template, primers and water). 100% DMSO and 25 mM MgCl₂ are included in a package in separated vials.

Mix Composition:

- **HOT FIREPoI[®] DNA polymerase**
- **5x HOT FIREPoI[®] GC Buffer**
- **7.5 mM MgCl₂**
1x PCR solution – 1.5 mM MgCl₂
- **dNTPs**
- **BSA**

In separate vial:

- **100% DMSO**
- **25 mM MgCl₂**

Shipping and Storage conditions:

Routine storage: -20°C

Shipping and temporary storage for up to 1 month at room temperature or storage for up to 6 months at 2-8°C has no detrimental effects on the quality of 5x HOT FIREPoI[®] GC Master Mix.

Quality Control:

| Assay | Result |
|-----------------------------------|-----------------------|
| Amplification efficiency | ≥10 ⁵ fold |
| PCR reproducibility | passed |
| ds Endodeoxyribonuclease activity | no |
| ss Exodeoxyribonuclease activity | no |
| Self-priming activity | no |

Safety warnings and precautions:

This product and its components should be handled only by persons trained in laboratory techniques. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required.

FOR RESEARCH USE ONLY

APPROVED BY:
