



## 5x HOT FIREPol® EvaGreen® qPCR Supermix

Cat. No.

Lot. No.

Dispense No.

Expiry date:

### Description:

5x HOT FIREPol® EvaGreen® qPCR Supermix is an optimised ready-to-use solution for real time quantitative PCR assays, including EvaGreen® dye. It comprises all the components necessary, excluding the template and primers, to perform highly sensitive qPCR. HOT FIREPol® DNA Polymerase is activated by a 12 min incubation step at 95°C. Hot-start mechanism prevents extension of non-specifically annealed primers and primer-dimers formed at low temperatures during qPCR setup.

### Mix Composition:

- **HOT FIREPol® DNA Polymerase**
- **Optimized buffer**
- **12.5 mM MgCl<sub>2</sub>**  
*1x PCR solution – 2.5 mM MgCl<sub>2</sub>*
- **dNTP blend containing dUTP/dTTP**
- **EvaGreen® dye**
- **Internal reference based on ROX dye**
- **GC-enhancer**
- **Blue visualisation dye**

### Shipping and Storage conditions:

Routine storage: -20°C

Shipping and temporary storage for up to 1 month at room temperature has no detrimental effects on the quality of 5x HOT FIREPol® EvaGreen® qPCR Supermix

### Quality Control:

Assay	Result
Amplification efficiency	≥10 <sup>5</sup> fold
qPCR 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:**

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