



FIREScript KIT

Cat. No.

Lot. No.

Dispense No.

Kit expiry date

Reagents provided:

- **FIREScript Reverse Transcriptase** (200 U/μl)
- **10x RT Reaction Buffer with DTT**
500 mM Tris-HCl pH 8.3, 500 mM KCl, 30 mM MgCl₂, 100 mM DTT

Enzyme Description:

FIREScript Reverse Transcriptase (RT) is a genetically engineered MMLV (*Moloney Murine Leukemia Virus*) based Reverse Transcriptase. FIREScript RT is a robust enzyme for RNA detection and has enhanced stability at room temperature with no activity loss for up to 1 month. This RT contains a functional RNase H domain which can increase the sensitivity of RT-qPCR (quantitative reverse transcription PCR).

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 the reagents.

Quality Control:

| Assay | Result |
|-----------------------------------|--------|
| First strand cDNA synthesis | passed |
| ds Endodeoxyribonuclease activity | no |
| ss Exodeoxyribonuclease 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:
