



FIREScript RT cDNA Synthesis MIX

Cat. No.

Lot. No.

Dispense No.

Kit expiry date

Reagents provided:

- **FIREScript Enzyme Mix**
- **10x RT Reaction Premix without primer**
RT reaction buffer with DTT and dNTPs
- **10x RT Reaction Premix with oligo (dT) primers**
RT reaction buffer with DTT, dNTPs and oligo (dT) primers
- **10x RT Reaction Premix with random primers**
RT reaction buffer with DTT, dNTPs and random primers
- **10x RT Reaction Premix with oligo (dT) and random primers**
RT reaction buffer with DTT, dNTPs, oligo (dT) primers and random primers
- **Water, nuclease free**

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:
