

cDNA Reverse Transcription Kit

Cat. No:

FPLF012.0025

FPLF012.0050

FPLF012.0100

FPLF012.0200

Contents:

Components	25 RXN	50 RXN	100 RXN	200 RXN
M-MuLV Reverse Transcriptase Enzyme aliquoted from Thermo Fisher Co.	25 µl	50 µl	100 µl	200 µl
Buffer Mix	250 µl	500 µl	1000 µl	2000 µl
RNase-Free Water	250 µl	500 µl	1000 µl	2000 µl

Kit storage:

⚠ This kit should be stored at -20 °C.

If properly stored, all kit components are stable until the expiration date printed on the label.

Application

This kit provides a convenient and rapid method to produce single-stranded cDNA from total RNA or mRNA and long mRNA. Kiagene cDNA Reverse Transcription Kit provides all the necessary components for cDNA synthesis except RNA template. The procedure is optimized to achieve reliable results within **90 min.**

Handling Requirements and Safety Information

⚠ *use RNase-free and DNase-free materials*

⚠ *Do not use any modified Protocols.*

⚠ *Do not pool reagents from different lot numbers.*

⚠ *Immediately after usage, close all bottles to avoid leakage, varying buffer concentrations, or buffer conditions.*

⚠ *After first opening store all bottles in an upright position.*

⚠ Wear protective disposable gloves, laboratory coats, and eye protection, when handling samples and kit reagents.

⚠ Do not contaminate the reagents with bacteria, viruses, or nucleases. Use disposable pipets and nuclease-free pipet tips only, to remove aliquots from reagent bottles.

Protocol

To each sample

- 1. Add 1nanogram-5 microgram template RNA** (total RNA or mRNA) to a nuclease-free tube.
- 2. Add 10µl Buffer Mix** and **1µl reverse transcriptase Enzyme.**
- 3. Add RNase-Free Water to reach 20µl total.** Vortex them quickly.
- 4. Incubate 10 min at 25 °C**
- 5. Incubate 60 min at 47 °C**
- 6. Incubate 5 min at 85 °C and store at 4°C**