

## Certificate of Analysis

**Catalogue No:** MB172

**Product name:** NZY M-MuLV First-Strand cDNA Synthesis Kit

**Batch No:** NM011

**Expiry Date:** 01/2023

| Components                     | Batch |
|--------------------------------|-------|
| NZYM-MuLV RT Enzyme Mix        | YL091 |
| NZYRT 2x Master Mix            | NM011 |
| NZY RNase H ( <i>E. coli</i> ) | 19021 |
| DEPC-treated H <sub>2</sub> O  | 17031 |

| Test               | Specification  | Result |
|--------------------|--|--------|
| Enzyme purity      | NZY Reverse Transcriptase and NZY Ribonuclease Inhibitor present in the Enzyme Mix are >90% pure as judged by SDS-PAGE                               | Pass   |
| Nucleases activity | No visible nicking or cutting of DNA and RNA is detectable after incubation at 37°C (different time-points) as judged by agarose gel electrophoresis | Pass   |
| Functional assay   | Full-length cDNA is synthesized by reverse transcription from mouse RNA dilution series, as analysed in a RT-qPCR assay                              | Pass   |

This batch meets our specification.

**Date:** 30/01/2020



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