

## Certificate of Analysis

**Catalogue No:** MB125

**Product name:** NZY First-Strand cDNA Synthesis kit

**Batch No:** YO041

**Expiry Date:** 04/2025

Components	Batch
NZYRT Enzyme Mix	ZN071
NZYRT 2x Master Mix	YO041
NZY RNase H ( <i>E. coli</i> )	ZN051
DEPC-treated H <sub>2</sub> O	YO031

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:** 26/04/2022



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