

# TRANSCRIPTME RNA Kit

## CERTIFICATE OF ANALYSIS

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#RT31	<i>TRANSCRIPTME RNA Kit</i>
Components:	<i>TRANSCRIPTME Enzyme Mix</i> L: RBY865675 2x RT Master Mix L: RBX865675 RNase H ( <i>E. coli</i> ) L: RBE865675 Nuclease-free water L: RBW865675
Expiry Date:	01.2023
Store at:	-20°C. The stability of the reagents can be extended if stored at -70°C
Shipping conditions:	Shipping on dry or blue ice
Specification:	The <i>TRANSCRIPTME RNA Kit</i> is a system which includes all the necessary components for synthesizing first-strand cDNA, apart from the template total RNA or mRNA. The synthesized single-stranded cDNA is suitable for real-time quantitative RT-PCR applications. The <i>TRANSCRIPTME RNA Kit</i> has been formulated to provide high yields of full-length cDNA product and to increase sensitivity in RT-QPCR. Starting material can range from 10 pg to 5 µg of total RNA. The kit includes both the <i>TRANSCRIPTME Enzyme Mix</i> , with a recombinant thermostable reverse transcriptase M-MuLV without RNase H activity and the <i>RIBOPROTECT RNase Inhibitor</i> . The optimal reaction buffer with a combination of random hexamers and oligo(dT) <sub>18</sub> primers, MgCl <sub>2</sub> and dNTPs mix is also provided for increased sensitivity.

## QUALITY CONTROL

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The absence of DNase and RNase activity has been confirmed using the relevant procedures. Enzymes present in the *TRANSCRIPTME Enzyme Mix* are >90% pure as judged by SDS polyacrylamide gel electrophoresis. In addition, the functional quality is tested by RT-PCR experiment.

Quality authorized by: Justyna Leibner-Ciszak

Date: 31.01.2020

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