

# TRANSCRIPTME RNA Kit

## CERTIFICATE OF ANALYSIS

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#RT31	<i>TRANSCRIPTME RNA Kit</i>
Components:	<i>TRANSCRIPTME Enzyme Mix</i> 2x RT Master Mix RNase H ( <i>E. coli</i> ) Nuclease-free water
Batch Number:	836672
Expiry Date:	07.2020
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 µg 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. In addition, the functional quality is tested by RT and subsequent PCR and QPCR assays.

Quality authorized by: Justyna Leibner-Ciszak

Date: 27.11.2017

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