

# *TRANSCRIPTME LYO*

## Reverse Transcriptase

version: 1.2020

Cat. No.: RT32L

<b>Product name</b>	<i>TRANSCRIPTME LYO</i> Reverse Transcriptase
<b>Catalog number</b>	RT32L
<b>Unit definition</b>	One unit is defined as the amount of enzyme required to incorporate 1 nmol of dTTP into an acid-insoluble material in 10 minutes at 37 <sup>0</sup> C, using poly(A) x oligo(dT) <sub>12-18</sub> as template primer.
<b>Components</b>	<i>TRANSCRIPTME LYO</i> Reverse Transcriptase; Resuspension Buffer; 10x RT Reaction Buffer; 0.1 M DTT
<b>Batch number</b>	RCZXXXXXX
<b>Expiry date</b>	XX.XXXX
<b>Storage conditions</b>	-20°C. After resuspension, enzyme should be stored at -20 <sup>0</sup> C in a freezer without a defrost cycle.
<b>Shipping conditions</b>	In range of temperatures from dry ice to room temperature.
<b>Specification version</b>	PS-RT32L-1.2020
<b>The product was made in EU</b>	

## Quality Control

Parameter	Specification	Analysis
Funcionality <sup>1</sup>	PASS	PASS
Purity Assay <sup>2</sup>	> 90%	PASS
DNase Contamination <sup>3</sup>	PASS	PASS
RNase Contamination <sup>4</sup>	PASS	PASS

1. Product is tested in a RT-qPCR reaction. A serial dilution of total RNA is reverse transcribed using 200 U of enzyme, afterwards cDNA is used as template in a RT-qPCR.
2. The purity is >90% as evaluated by SDS-PAGE electrophoresis.
3. DNase activity is judged by incubation of 0.2-0.3 µg of plasmid DNA with 200 U of **TRANSCRIPTME LYO Reverse Transcriptase** for 14-16 hours at 37°C. Results are visualized on agarose gel.
4. RNase activity is judged by incubation of 1 µg of RNA with of 200 U of **TRANSCRIPTME LYO Reverse Transcriptase** for 1 hour at 37°C. Results are visualized on agarose gel.

This product has been tested and shown to be in compliance with all specifications.

Name Surname **Justyna Leibner-Ciszak**

Date **XX.XX.XXXX**

PRODUCTION

Name Surname **Monika Pokorska**

Date **XX.XX.XXXX**

QUALITY CONTROL

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### PRODUCT USE LIMITATION

This product of Blirt S.A. has been developed for research purposes only and it is not suitable for human and animal therapeutic or diagnostic use.

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