



Certificate of Analysis

PRODUCT: *EasyScript*[®] Reverse Transcriptase

CAT. NO.
AE101

AMOUNT
1000000 units/ 2000000 units

LOT NUMBER
O30805

SHELF LIFE
2 years

STORAGE CONDITIONS
Store at -20 °C

SHIPPING CONDITIONS
Dry ice (-70 °C)

DESCRIPTION

EasyScript[®] Reverse Transcriptase is an engineered version of M-MLV reverse transcriptase with deficient RNase H activity. The enzyme is purified to near homogeneity from *E.coli* containing the modified M-MLV RT gene.

- Deficient RNase H activity to reduce RNA template degradation during the first-strand cDNA synthesis.
- Anchored Oligo(dT)₁₈ Primer for higher yield and more full length cDNA.
- cDNA up to 8 kb.

PACKAGE CONTENTS

Component	AE101-G04	AE101-G05
<i>EasyScript</i> [®] RT	1000000 U	2000000 U
5×ES RT Buffer	20 ml	40 ml
Anchored Oligo(dT) ₁₈ Primer (0.5 µg /µl)	5 ml	10 ml

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QUALITY CONTROL DATA

Assay	Standard	Result
RT-PCR	Enzyme is used to amplify target genes from 200 ng RNA. The enzyme produces high yield of each target.	Met standards
Sensitivity	RT-PCR is performed with different amount of RNA template and reverse transcriptase. Products from this batch show similar or higher sensitivity than products from the previous batch	Met standards
RT-qPCR	The RNA with an initial amount of 200 ng is reverse-transcribed by different batches of reverse transcriptase to obtain cDNA, which is detected by qPCR. The resulted Ct value shows no significant difference.	Met standards
RNA incubation	Free contamination from RNase; No RNA degradation is observed when incubated with RNA at 37°C for 15 min.	Met standards



Notice to Purchaser

All products are for research use only. Caution: Not intended for human or animal diagnostic or therapeutic uses. If you have any further questions about this Certificate of Analysis, please contact us at +86-10-57815027 or +86-400-898-0321.

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A handwritten signature in black ink that reads "Heng Zheng".

Manager, Quality Control Department

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