

艾维缔科技怀来有限公司

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Kit Components Size EasyScriptTM Plus RTase (200U/μl)

100µl

2x Reaction Mix 1200µl Product Name: RTTM Plus Master Mix Nuclease-free H₂O 2×1000µl

Size: 100T

Catalog No.:

Storage: -20℃ and avoid light

R-G207

EasyScriptTM Plus Reverse Transcriptase, or called EasyScriptTM Plus RTase, is a novel **Description:** recombinant reverse transcriptase with higher efficiency in the first-strand cDNA synthesis from

RNA templates with secondary structures and GC-rich RNA templates. EasyScriptTM Plus RTase can synthesize full-length cDNA libraries from RNA templates up to 15 kb in length, with proofreading ability due to the presence of a fidelity-enhancing subunit, making this RTase

an excellent choice for whole genome sequencing.

RTTM Plus Master Mix is a proprietary cDNA Synthesis Supermix containing all materials

required for first-strand cDNA synthesis in a 2X concentration, RNaseOFF Ribonuclease

Inhibitor, dNTPs, and a balanced concentration for Oligo(dT) and Random Primers. The

first-strand cDNA can be directly used as a template in PCR and other applications.

Up to 15 kb cDNA synthesis

Special Features: Works well on high GC RNA

Resolves complex structure RNA Ensures sample to sample consistency Large RNA sample volume capacity

Ready-to-use

First strand cDNA synthesis for PCR

Application: Construction of cDNA libraries

Generation of probes for hybridization

Protocol

1. Thaw RNA templates and all reagents on ice. Mix each solution by gently vortexing. Spin briefly to collect the reagent.

Assemble the following components in a tube on ice, and mix well:

Components	Volume	Final Conc.
Total RNA, or	Variable	lng - 2μg/rxn
mRNA	Variable	1pg - 2ng/rxn
2X Reaction Mix	10µl	1X
Nuclease-free H ₂ O	Up to 19µl	-

- 3. Heat the mixture at 65° C for 5 mins and incubate on ice for at least 1 min.
- Collect all components by a brief centrifugation and add 1µl of the EasyScriptTM Plus RTase to
- 5. Mix well and collect all the components by a brief centrifugation.
- Incubate the tube at room temperature for 10 min for annealing.
- 6. Incubate the tube at room temperature for 10 min for annealing. 7. Perform cDNA synthesis by incubating the tube for 50 min at 50° C (or 10 min at 50° C for qRT-PCR)..
- 8. Stop the reaction by heating it at 85° C for 5 min.
- 9. Chill on ice. The newly synthesized first-strand cDNA is ready for immediate downstream applications.

Related products	Catalog No.
Direct RT-qPCR Lysis Kit	R-G915
RT Genomic DNA Removal Kit	R-G488
EvaGreen qPCR Master Mix-ROX	R-EMX
TaqProbe qPCR Master Mix–ROX	R-PMP
Super HF PCR Master Mix	R-P135

This product is for research use only.