

Certificate of analysis

Product Name/Description: PrimeScript™ RT-PCR Kit
Cat. #: RR014A
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 50 Rxns

Package Contents:	1. PrimeScript RTase (for 2 step)	25 µl
	2. 5X PrimeScript Buffer	200 µl
	3. RNase Inhibitor	40 U/µl 25 µl
	4. dNTP Mixture	10 mM each 150 µl
	5. Oligo dT Primer	2.5 µM 50 µl
	6. Random 6 mers	20 µM 50 µl
	7. TaKaRa Ex Taq® HS	5 U/µl 25 µl
	8. 10X PCR Buffer II	250 µl
	9. Control F-1 Primer	20 µM 10 µl
	10. Control R-1 Primer	20 µM 10 µl
	11. Positive Control RNA	2x10 ⁵ copies/µl 20 µl
	12. RNase Free dH2O	1 ml

Quality Control Data:

RT-PCR test:

cDNA was synthesized with Oligo dT Primer, Random 6mers, or Control R-1 primer using Positive Control RNA as a template.

Following 30 cycles of PCR with Control primers using each RT reactant as a template, the final reactants were analyzed by agarose gel electrophoresis.

Comparing this lot and the previous lot by the RT-PCR test, there was no significant difference in size (462 bp) and yield of the amplified fragments.

Amplification of 12 kbp cDNA:

cDNA was synthesized with Oligo dT Primer using mouse heart total RNA as a template.

Synthesis of the expected cDNA by the RT reaction was confirmed by PCR followed by agarose gel electrophoresis (12 kbp fragment was amplified using the RT reactant.).

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

Notice To Purchaser:

Please refer to the website.

Product Documents, Patent Markings, Trademarks, & Safety Information:

Refer to website for availability to download or contact your local office:
www.takara-bio.co.jp (Japanese)
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