

Certificate of Analysis

Advantage® RT-for-PCR Kit

Catalog No(s).	Amount	Lot Number
639506	100 rxns	Specified on product label.

Description

Complete kit for the synthesis of first-strand cDNA from total RNA or polyA⁺ RNA. The kit contains sufficient reagents for 100 first-strand cDNA synthesis reactions.

Package Contents

Box 1:

- 60 µl Control RNA (mouse liver total RNA), 1 µg/µl

Box 2

- 400 µl 5X Reaction Buffer
- 100 µl Oligo(dT)₁₈ Primer, 20 µM
- 100 µl Random Hexamer Primer, 20 µM
- 120 µl MMLV Reverse Transcriptase, 200 units/µl
- 60 µl Recombinant RNase Inhibitor, 40 units/µl
- 100 µl dNTP Mix (10 mM each)
- 200 µl Premixed Mouse G3PDH Amplimers, 10 µM each
- 4 ml DEPC-treated Water (diethyl-pyrocabonate, 1:1000)

Storage Conditions

- Store Box 1 (RNA) at -70°C.
- Store Box 2 at -20°C.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Dry ice (-70°C)

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Advantage RT-for-PCR Kit User Manual
- Advantage RT-for-PCR Kit Protocol-at-a-Glance

Takara Bio USA, Inc.

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Quality Control Data

A sample kit was tested by synthesizing cDNA from the Control RNA as described in the User Manual. The cDNA was used as a template for RT-PCR, amplified with the premixed mouse G3PDH primers and mouse transferrin receptor primers for 25 and 30 cycles, respectively. When the products of the PCR reactions were examined by electrophoresis on an agarose/EtBr gel, clear bands of the expected sizes were observed.

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

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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