

Mir-X™ miRNA First-Strand Synthesis Kit

Catalog No.
638313

Amount
20 rxns

Lot Number
Specified on product label.

Description

This package contains reagents for synthesizing first-strand cDNA from either total RNA or purified small RNAs isolated from any source. RNA molecules are polyadenylated and reverse transcribed using the mRQ Enzyme Mix, which contains poly(A) polymerase and SMART® MMLV Reverse Transcriptase. The resulting cDNA can be used with Takara Bio's TB Green® Advantage® qPCR Premix in real-time qPCR to quantify specific miRNAs and other RNAs present in the sample.

Package Contents

- 25 µl mRQ Enzyme Mix
- 100 µl mRQ Buffer (2X)
- 250 µl mRQ 3' Primer (10 µM)
- 50 µl U6 Forward Primer (10 µM)
- 50 µl U6 Reverse Primer (10 µM)

Storage Conditions

- Store at -20°C

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals
The following documents apply to this product:

- Mir-X miRNA First-Strand Synthesis and TB Green qRT-PCR Kit User Manual

Quality Control Data

cDNA was synthesized using serial dilutions of a synthetic miRNA standard and the components of the kit. The samples were then subjected to miRNA analysis using the TB Green Advantage qPCR Premix. The resulting Ct values were plotted against the cDNA copies present in the dilutions. The resulting standard curve was linear between 5×10^7 – 5×10^2 miRNA copies, with an $R^2 > 0.99$, and exhibited an amplification efficiency between 0.9 and 1.1.

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

Takara Bio USA, Inc.

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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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