

Product Information

UEIris RT Reagent Kit

Catalog Number: R2043

Product Size: 20 µL×100T

Contents:

Component	100T
UEIris 2× RT Mix	1 mL
RNase-free water	1 mL

* UEIris 2× RT Mix contains the following components: Reverse transcriptase, RNase inhibitor, dNTPs, buffer, Oligo (dT)₂₀VN and random primers.

Storage

Store at -20°C. When stored as directed, product is stable for at least 12 months.

Description

UEIris RT Reagent Kit is a simpler system for synthesizing RNA from cDNA. It contains all the reagents required for the first-strand cDNA synthesis, and only needs to add RNA template and water for reverse transcription. The synthesized cDNA is recommended for qPCR reaction.

Protocol

1. Mix the following components in a nuclease-free, thin-walled PCR tube on ice:

Component	Volume
UEIris 2× RT Mix	4 µL
Template RNA	50 ng - 1 µg
RNase-free water	Up to 20 µL

2. Mix gently and ensure all the components are at the bottom

of the amplification tube;

3. Place the reaction in the PCR instrument and run program following the procedure below:

42°C, 15 min;

85°C, 5 min.

4. The obtained product quickly placed on ice or immediately stored at -20 °C for subsequent experiments.

Notes

1. The purity and integrity of the RNA template is an important factor affecting the reverse transcription.

2. For the subsequent experiment of qPCR, the amount of reverse transcription product should not exceed 1/10 of the volume of the qPCR system.

3. The mix contains Oligo (dT)₂₀VN and random primers. It is not only suitable for eukaryotic mRNAs containing Poly(A) structure, but also for prokaryotic RNA without Poly(A) structure, eukaryotic rRNA, and tRNAs. But it is not suitable for small RNA templates such as miRNA.

