



## RNA Dilution&Storage Solution

**【Catalogue Number】** RDB-100

**【Packing Information】** 100mL/bottle.

### 【Description】

RNA Dilution&Storage Solution is a buffer that provides greater RNA stability than TE Buffer or RNase-free water. The last step in every RNA isolation protocol is to resuspend the purified RNA pellet. After painstakingly isolating the RNA, it is crucial that the pellet be suspended and stored in a safe, RNase-free solution. RNA Dilution&Storage Solution has two features that keeps RNA stable: a low pH of 7.0, and a Chemical RNase Inhibitor. RNA Dilution&Storage Solution is specially designed for 1-step RT-qPCR kit from TOROIVD and incompatible with other brand kits.

### 【Feature】

**-RNA Dilution:** this product can be used to dilute RNA instead of RNase-free water(such as DEPC treated water) in 1-step RT-qPCR, and keep the RNA stable.

**-RNA Storage:** this product can be used to dilute and store RNA instead of RNase-free water or TE Buffer, and can keep RNA more stable in room temperature.

### 【Components】

Cat NO.	Components	Size
RDB-100	RNA Dilution&Storage Solution	100mL/bottle.

### 【Compatibility】

The diluted or stored RNA using this product can be directly used for the following products from TOROIVD. Such as TOROGreen®1-step RT-qPCR 5G Mix 2.0 (QSR-200); TOROIVD® Probe 1-step RT-qPCR 5G Kit 3.0 (QPR-308), or other 1-step RT-qPCR kits from TOROIVD.

Before used for RT kit from TOROIVD or other brand kits, the stored RNA using this product should be diluted with RNase-free water by more than 5 times.

### 【Storage】

This reagent can be stored at 2-8°C for 24 months and protected from light.

### 【Application】

#### **Dilution Solution:**

A: RNA Dilution&Storage Solution (TOROIVD) B: The RNA Storage Solution (Company T)

#### **Template :**

Add 50μl 0.8ng MS2RNA 1 ml of the above two solutions (from TOROIVD and Company T) respectively and store at 25°C and 37°C.

#### **Primer and Probe:**

Forward primer:GCCTTAGCAGTGCCCTGTCT 400nM

Reverse primer: AACATGCTCGAGGGCCTTA 400nM

TaqmanProbe:FAM-CCCGTGGGATGCTCCTACATGTCA-TAMRA 200nM

#### **qPCR Reagent:**

TOROIVD® Probe 1-step RT-qPCR 5G Kit 3.0 (QPR-308)

#### **Instrument:**

ABI-7500

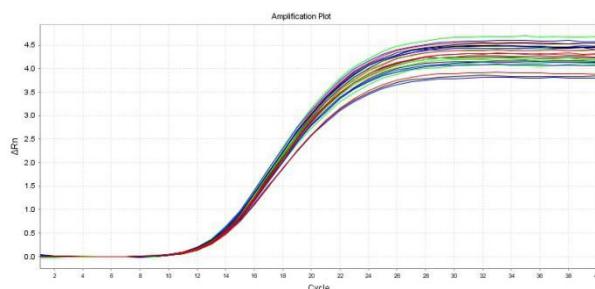
**Results:**

Fig 1. The RNA template amount in the two solutions was basically the same.

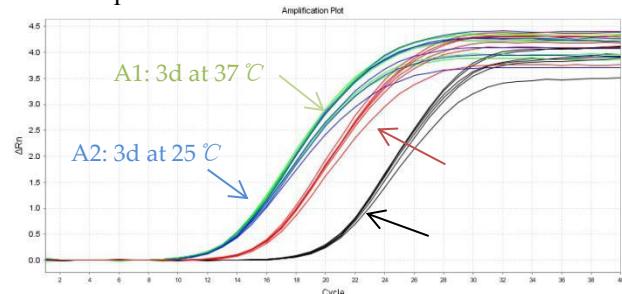


Fig 2. RNA Dilution&amp;Storage Solution from TOROIVD keeps RNA more stable at 25°C or 37°C for 3days than the RNA Storage Solution from Company T.

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