ScriptPlus RT Mix for qPCR

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1. Product Introduction

1.1 Product Overview

ScriptPlus RT Mix for qPCR is a new-generation qPCR-specific reverse transcription kit launched by BioE ACE.This product is provided as a single-tube premix,integrating all components required for genomic DNA removal and RNA reverse transcription,making it simple to use—only template RNA and nuclease-free water need to be added for the reaction. Its core component,the reverse transcriptase, is directionally optimized for excellent thermal stability (tolerating 50-60°C),enabling genomic DNA clearance and reverse transcription to be completed in as fast as 5 minutes.The resulting cDNA product is directly suitable for dye-based and probe-based qPCR detection and is widely applicable to RNA samples from animal, plant,and microbial sources.

1.2 Kit Components

Component	Specification
4 × ScriptPlus RT Mix*	500 μL
RNase-free ddH_2O	2*1mL
Manual	1 copy

*Contains Reverse Transcriptase, DNase,RNase Inhibitor,dNTP Mix,Random / Oligo(dT) Primer Mix,etc.

1.3 Storage Conditions

Store at -20°C.Shipped on wet ice.

1.4 Precautions

1）The cDNA product is only suitable for qPCR reactions and is not suitable for long-fragment PCR amplification in downstream experiments such as cloning.

2）The cDNA product can be used directly as a template for qPCR reactions.It is recommended that the volume of template does not exceed 1/10 of the total qPCR reaction volume.

3）All operations should be performed on ice to prevent RNA degradation.

4）This product is intended for scientific research use by qualified professionals only and must not be used for clinical diagnosis,treatment,or any other improper purposes.

2. Experimental Proceduret

2.1 Prepare the reaction mix as suggested below (20 μL system; perform on ice):

Component	Volume
4 × ScriptPlus RT Mix	5 μL
Template RNA	x μL(1 pg-1 μg)
RNase-free ddH_2O	Up to 20 μL

Mix gently by pipetting and briefly centrifuge.

2.2 Reaction Protocol

Temperature	Time
50°C	5 min
85°C	5 sec

Note: The reverse transcription time can be extended up to 10 minutes if needed.Extending the reaction time may increase cDNA yield.

2.3 Product Storage

The reverse transcription product can be used immediately for subsequent PCR or qPCR reactions.It can also be stored short-term at -20°C.For long-term storage,it is recommended to aliquot and store at -80°C to avoid repeated freeze-thaw cycles.

3.Ordering Information

Product	Cat.No.	Size
ScriptPlus RT Mix for qPCR	BR0147-01	100 rxns

4. Related Products

Product	Cat.No.	Size
HS Universal qPCR Master Mix	BR0014-01	5*1 mL
HS Universal qPCR Master Mix, ROX plus	BR0015-01	5*1 mL