

AddScript RT-PCR Kit and Master

Product Information

Product Code 73601, 24701

Provided with

Cat. No. 73601: AddScript RT-PCR Kit 1. 20x Enzyme Solution 0.1 mL
2. 5x Reaction Buffer 0.4 mL

Cat. No. 24701: AddScript RT-PCR Master (2x conc.) 1.0 mL

Storage Conditions -10°C ~ -30°C

Stability Stable for 1 year from manufacturing date.

Components of AddScript RT-qPCR Kit and Master

AddStart Taq DNA Polymerase, Reverse Transcriptase, RNase Inhibitor, Tris-HCl (pH8.5), Potassium Chloride, Ammonium Sulfate, MgCl₂, DTT, Protein stabilizer and dNTP mixture.

Description

AddScript RT-PCR Kit provides sensitive and easy-to-use components which contain all the reagents for first strand cDNA synthesis and PCR reaction in one-tube reaction continuously. Especially, thermostable MMLV RTase (RNase H-), AddStart Taq DNA Polymerase and RNase Inhibitor are included in 20x AddScript Enzyme Solution.

The loading dye (Orange G) and sediment for electrophoresis and dNTP mixture are also included in 5x Buffer. In AddScript RT-PCR Master (2x conc.), all components for one-step RT-PCR are included as mentioned above in master mixture.

Applications

- RNA virus detection and research
- Gene expression analysis

Nucleic Acid Amplification Procedure

1-1. Add the following components to a thin-walled PCR tube for AddScript RT-PCR Kit:

Nuclease-Free Water	x µl
5x Reaction Buffer	4.0 µl
Forward primer (10 µM)	0.25 ~ 2.0 µl
Reverse primer (10 µM)	0.25 ~ 2.0 µl
RNA template	x µl
20x Enzyme Solution	1.0 µl
Total reaction volume	20 µl

1-2. Add the following components to a thin-walled PCR tube for AddScript RT-PCR Master:

Nuclease-Free Water	x µl
2x AddScript RT-PCR Master (2x conc.)	10.0 µl
Forward primer (10 µM)	0.25 ~ 2.0 µl
Reverse primer (10 µM)	0.25 ~ 2.0 µl
RNA template	x µl
Total reaction volume	20 µl

2. PCR cycling

cDNA synthesis	50°C, 20min
Initial denaturation	95°C, 5 - 10min
PCR cycling (30 - 40 cycles)	95°C, 15 - 30 sec
	55 - 65°C, 15 - 30 sec
	72°C, 1 min
Final extension	72°C, 5 min
Hold	12°C, ∞

Manufacture

애드바이오메디텍

www.addbiomeditek.com / addbiomeditek@addbiomeditek.com