E.coli Residual Total RNA Sample Preprocessing Kit

The kit is intended for scientific research only and should not be used for diagnosis

Cat. No. HG-CL300

Introduction

E.coli Residual Total RNA Sample Preprocessing Kit is a dedicated kit for processing *E.coli* Residual Total RNA detection samples.

This kit is better used together with *E.coli* Residual Total RNA Detection Kit (HG-ER001).

Specification

100 Reactions.

Kit components

Components	Quantity	Specification	Storage conditions
10X Reaction Buffer	1	220μL	-20℃
DNase I	1	110μL	
RNase Inhibitor	1	55μL	
Enzyme-free deionized water	2	1mL	

Storage conditions and shelf life

The shelf life is 18 months when stored at -20℃.

Operation procedures

1. As a residual detection item, the detection of Escherichia coli (*E.coli*) RNA residues in samples requires the removal of DNA in the test sample before detection, so the test sample needs to be pre-processed. You can choose to use this sample pretreatment kit. The processing method is as follows.

Components	Volume for single reaction
DNase I	1
10X Reaction Buffer with MgCl2	2
RNase Inhibitor	0.5
Enzyme-free deionized water	12.5
sample	4
Total volume	20

2. Prepare the DNase I digestion solution for the test product according to the table above, shake and mix, and centrifuge for 5 seconds;

3. Place the prepared DNase I digestion solution in a 37°C constant temperature water bath and incubate it for 60 minutes;

4. Take out the DNaseI digestion solution after incubation, centrifuge it briefly for 5 seconds, and then place it in a 65°C dry thermostat and incubate it for 10 minutes to inactivate the DNase I enzyme. Place the inactivated DNaseI digestion solution at 2-8°C refrigerator for temporary storage.

Precautions

1. The kit has been validated for the stability (freezing-thawing and other factors) and does not require dispensing.
2. The preparation and sample loading for negative samples and positive samples should be separated into different environments and should not be operated in one area. The preparation personnel should wear neat masks, gloves and cleanroom garment.
3. Tips shall be changed between different loading steps in time to avoid cross-contamination and long-time opening.
4. The kit must be used within the shelf life.
5. It is recommended that all components of the kit should be thawed at a low temperature before use and should be completely dissolved.
6. The best detection effect can be ensured only by strictly following the instructions and using all the reagents provided with this kit
7. The final test results are closely related to the efficacy of reagents, operator's operation methods and test environment.
8. Our company is only responsible for the kit itself and not for the sample consumption caused by the use of the kit. Users should fully consider the possible usage amount of sample before use and reserve sufficient samples.
9. The kit is for in vitro research use only and is not used for clinical diagnosis.

Disclaimer

Under all circumstances, the liability of our company for this product is only limited to the value of the product itself.

© 2024 Hillgene. All right reserved. Ver.1.2401
Jiangsu Hillgene Biopharma Co., Ltd.
A. Building 4, Yuewang Intelligent Valley, No. 1463, Wuzhong Avenue, Wuzhong District, Suzhou, Jiangsu, China
T. +86-18013115357 / +86-4009001882
W.www.bluekitbio.com