HELINI
Purefast
Stool processing buffer

Instructions for use

For use with: Human stool samples

CE IVD

REF 2009

Σ 100ml

HELINI Biomolecules, Chennai, INDIA

www.helini.in

Contents

Intended Use

HELINI Stool processing buffer is designed for rapid and cost-effective small-scale preparation of high-quality DNA/RNA from Stool samples. It preserves nucleic acids as well as removes inhibitor from stool samples. Purified DNA/RNA can be used directly in PCR/qPCR and other molecular biology enzymatic reactions.

Kit components

Components	Volume Per reaction	Volume
Stool processing buffer	2ml	100ml

Storage

- The kit is shipped in room temperature.
- Store at room temperature.
- They are stable until the expiration date stated on the label.
- Repeated thawing and freezing should be avoided, as this might affect the performance of the assay.

Material and instruments required

- 5ml micro centrifuge tubes
- Desktop centrifuge having 13000rpm or above with a rotor for 1.5/2/5ml reaction tubes
- Micro Pipettes (variables)
- Micro Pipette tips with filters (disposable)
- Powder-free gloves (disposable)

[Please ensure that all instruments used have been installed, calibrated, checked and maintained according to the manufacturer´s instructions and recommendations.]

Product Use Limitations

- All reagents may exclusively be used in molecular biology DNA/RNA applications.
- The product is to be used by personnel specially instructed and trained in Molecular biology experiments.
- Strict compliance with the user manual is required for optimal PCR results.
- Attention should be paid to expiration dates printed on the box and labels of all components. Do not use expired components.
- Wear protective disposable powder-free gloves, a laboratory coat and eye protection when handling specimens and kit components.
- Avoid microbial and nuclease (DNase/RNase) contamination of the specimens and the components of the kit.
- Always use DNase/RNase-free disposable pipette tips with aerosol barriers.
- Use separated and segregated working areas for sample preparation, reaction setup and amplification/detection activities.
- The workflow in the laboratory should proceed in unidirectional manner. Always wear disposable gloves in each area and change them before entering a different area.
- Store positive and/or potentially positive material separated from all other components of the kit.
- Discard sample and assay waste according to your local safety regulations.

Technical Assistance

For technical assistance and more information, please contact;

0091-9382810333
0091-44-244490433
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Procedure:

For storage:

1. Transfer 2ml of Stool Processing buffer into 5ml centrifuge tube.

2. Transfer 50 to 150mg of stool samples and Vortex thoroughly for 2 to 5min. [Make sure that stool sample mixed thoroughly in Stool processing buffer]

3. Incubate at room temperature for 5min and Store at -20C for future use. For immediate use, please continue.

For purification

4. Mix well by inverting several times and Centrifuge at 13000rpm for 5min

5. Transfer 350µl supernatant into fresh 2ml centrifuge tube. [Note: There may be floating particles in the top of the supernatant. Do not collect floating particles. Insert micro tip under floating layer and collect the clear supernatant]

6. Use this 350µl of supernatant for the DNA/RNA purification. Complete the purification process as per the kit manufacture instructions.

Note: Frozen sample has to be thawed to room temperature and vortexed thoroughly for 5 min and follow steps from 3.

Quality Control

In accordance with the HELINI Biomolecules in house Quality Management System, each lot of HELINI Purefast Stool processing buffer is tested against predetermined specifications to ensure consistent product quality.

Explanations of symbols

In vitro diagnostic medical device

Catalogue number

Pack size – number of tests

Manufacturer

Manufactured by

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