# HELINI™
# Purefast
# Soil Nucleic acid
# Purification Buffers

Cat. No: 2012 - 25/50/100 Purifications

Handbook

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**Kit components**

| **No. of reactions** | 25 | 50 |
|---|---|---|
| Buffer-A | 10ml | 20ml |
| Buffer-B | 5ml | 10ml |
| Buffer-C | 5ml | 10ml |
| Buffer-D | 12.5 | 25ml |
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**Storage :** in room temperature.





**Technical Assistance**

For technical assistance and more information, please contact;
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**Safety Information**

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. Discard sample and assay waste according to your local safety regulations.

**Introduction**

HELINI Purefast Soil buffers are designed for rapid and cost-effective small-scale preparation of high quality viral nucleic acid from Soil. It effectively removes humic substance and inhibitors from the soil. The supernatant can be directly used with spin column purification kit. Isolated Viral nucleic acid can be used directly in RT-PCR/PCR.

**Material Required**

- Micro Pipettes Variable Volume 0.5-10µl, 10-100µl, and 100-1000µl
- Sterile pipette tips with aerosol barrier 2-20µl, 10-100µl, and 100-1000µl
- Disposable powder-free gloves
- Vortex mixer / Water bath
- Centrifuge with rotor for 1.5 ml reaction tubes
- 1.5ml/2ml centrifuge tubes

**Important Notes:**

All purification steps should be carried out at room temperature.

All centrifugations should be carried out in a table-top micro-centrifuge at >12000 x g (12000-14000 rpm, depending on the rotor type).





**Procedure:**

1. Transfer 100 to 200mg of dry soil sample into 2ml centrifuge tube.
2. Add 300µl of Buffer-A and mix well by vortexing for 2 min.
3. Add 200µl of Buffer-B and mix well by vortexing for 2 min.
4. Add 150µl of Buffer-C and mix well by vortexing for 2 min.
5. Add 500µl of Buffer-D and mix well by vortexing for 2 min.
6. Centrifuge at 10000rpm for 2min.
7. Transfer 200µl of clear supernatant into fresh 1.5ml centrifuge tube.
8. Add 200µl of Shrimp viral nucleic acid Binding buffer and continue the protocol.

**Recommendation for Real-time PCR:**

Use 5 - 20µl of elute

Manufactured and Marketed by

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