Stool DNA Isolation Kit

Rapid and simple purification of bacterial and host DNA from stool and fecal samples

- Simultaneous isolation of both host DNA and microbial DNA (universal protocol)
- Eliminates PCR inhibitors including humic acids
- Fully compatible with Norgen’s Stool Nucleic Acid Collection and Transport Tubes
- High quality DNA for sensitive downstream applications including PCR, qPCR, Sequencing and microarray
- 96-Well format is also available

Superior Stool DNA Quality and Yield
Convenient universal DNA protocol for total human and microorganism DNA isolation
Rapid procedure (< 30 minutes) with a single filter column (Competitor Z used 3 columns)
Higher DNA quality and yield than the competitor

True Total DNA Purification
Isolate microorganism and human DNA
Highly concentrated DNA allows for detection in processed DNA from food in stool

Highest DNA Purity and Concentration for Downstream Applications
Purified DNA can be used directly for PCR to detect microorganisms
Highly concentrated DNA can enhance the detection sensitivity

info@norgenbiotek.com
www.norgenbiotek.com
**Ordering Information**

<table>
<thead>
<tr>
<th>Kit Name</th>
<th>Size</th>
<th>Cat. No</th>
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<tbody>
<tr>
<td>Stool DNA Isolation Kit</td>
<td>50 preps</td>
<td>27600</td>
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<tr>
<td>Stool DNA Isolation 96-well Kit</td>
<td>2 x 96 well plates</td>
<td>65600</td>
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**Related Products**

<table>
<thead>
<tr>
<th>Kit Name</th>
<th>Size</th>
<th>Cat. No</th>
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<tr>
<td>Stool Nucleic Acid Collection and Preservation Tube</td>
<td>50 tubes</td>
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<tr>
<td>Stool DNA Isolation Kit (Magnetic Bead System)</td>
<td>50 preps</td>
<td>27300</td>
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<td>Stool Total RNA Purification Kit</td>
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<td>45600</td>
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<tr>
<td>Fecal DNA Collection &amp; Preservation Mini Tubes</td>
<td>50 tubes</td>
<td>27650</td>
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<tr>
<td>Stool Nucleic Acid Isolation Kit</td>
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<td>45600</td>
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Visit our website: [www.norgenbiotek.com](http://www.norgenbiotek.com) to view our complete line of reagents and innovative sample preparation kits.

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**Figure 1. Higher Yields of DNA than Competitor Q.** Stool DNA was isolated from 200 mg of fresh or preserved stool samples using Norgen's Stool DNA Isolation Kit and Competitor Q's Kit. For evaluation, 10 µL of DNA from the elution was run on 1X TAE 1.2% agarose gel. Norgen's kit isolated much higher yields of DNA. *Stool was collected using Norgen's Stool Nucleic Acid Collection and Preservation tubes (Cat. 45660). Marker = Norgen's HighRanger DNA Ladder (Cat. 11900).

**Figure 2. Better 16S rRNA detection from DNA isolated using Norgen's Stool DNA Preservative and Stool DNA Isolation Kit.** Two microlitres of stool DNA was used in a 20 µL PCR reaction volume. Stool that was preserved using Norgen's Stool DNA Preservative and isolated using Norgen's Stool DNA Isolation Kit showed better 16S rRNA detection as compared to fresh stool samples.

**Figure 3. Principal Coordinate Analysis and Hierarchical clustering.**

**Figure 4. Higher Yields of DNA than Competitor Q.** Stool DNA was isolated from 200 mg of fresh or preserved stool samples using Norgen's Stool DNA Isolation Kit and Competitor Q's Kit. For evaluation, 10 µL of DNA from the elution was run on 1X TAE 1.2% agarose gel. Norgen's kit isolated much higher yields of DNA. *Stool was collected using Norgen's Stool Nucleic Acid Collection and Preservation tubes (Cat. 45660). Marker = Norgen's HighRanger DNA Ladder (Cat. 11900).

**Figure 5. Better 16S rRNA detection from DNA isolated using Norgen's Stool DNA Preservative and Stool DNA Isolation Kit.** Two microlitres of stool DNA was used in a 20 µL PCR reaction volume. Stool that was preserved using Norgen's Stool DNA Preservative and isolated using Norgen's Stool DNA Isolation Kit showed better 16S rRNA detection as compared to fresh stool samples.