

STOOL DNA ISOLATION KIT

FIRST-IN-CLASS



The Best Stool DNA Isolation Kit for the Following 3 Reasons:

1. 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

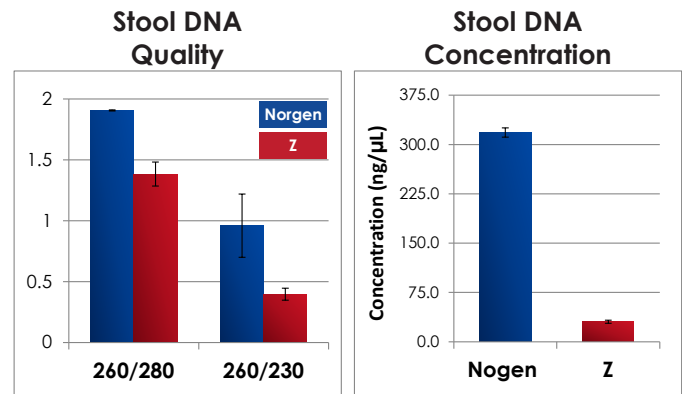


Figure 1. Excellent stool DNA quality and quantity using Norgen's Stool DNA Isolation Kit. Total stool DNA was isolated from 150 mg of frozen stool sample using Norgen's Stool DNA Isolation Kit (Cat. 27600) and a competitor kit. The DNA quality and quantity were analyzed using NanoDrop.

2. True Total DNA Purification

- Isolate microorganism and human DNA
- Highly concentrated DNA allows for detection in processed DNA from food in stool

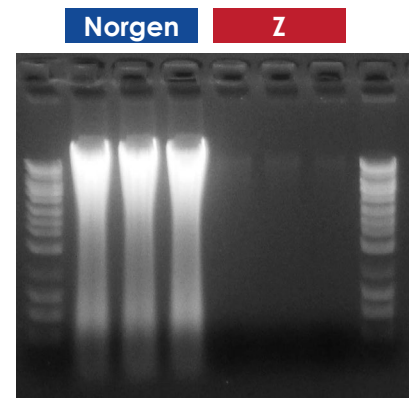


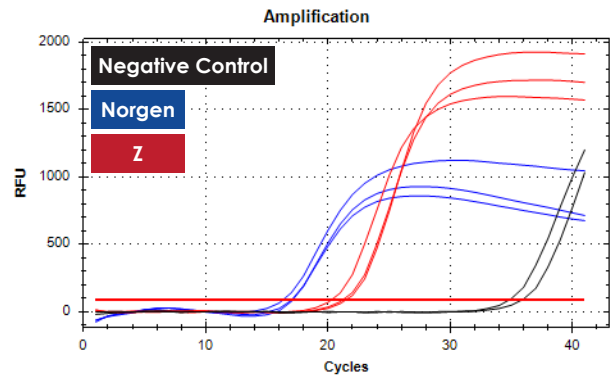
Figure 2. True total DNA purification using Norgen's Stool DNA Isolation Kit. Ten microlitres of the each kit elution was loaded on a 1.0% agarose DNA gel. Norgen's Stool DNA Isolation Kit provides total DNA profile that including digested DNA from the processing.

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3. 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



| | 16S rDNA | Average | StdDev |
|--------------|----------|---------|--------|
| Norgen | 17.0 | 16.8 | 0.4 |
| | 16.3 | | |
| | 17.1 | | |
| Competitor Z | 20.2 | 20.9 | 0.5 |
| | 21.4 | | |
| | 21.1 | | |
| NTC | 35.8 | 35.3 | 0.5 |
| | 34.7 | | |
| | | | |

Figure 3. Stool DNA was isolated from a healthy donor using Norgen's Stool DNA isolation kit. Two microlitres of elution was used in 20 µL of the real-time PCR reaction (SYBR Green I) using CFX96 Touch™ Real-Time PCR Detection System (Bio-Rad).

Featured Product

| Description | Prep Size | Cat. Number |
|-------------------------|-----------|-------------|
| Stool DNA Isolation Kit | 50 preps | 27600 |

Related Products

| Description | Prep Size | Cat. Number |
|--|-----------|-------------|
| Stool Nucleic Acid Collection and Preservation Tube | 1 tube | 45630 |
| Stool Nucleic Acid Collection and Preservation Tubes | 50 tubes | 45660 |
| Stool DNA Isolation Kit (Magnetic Bead System) | 50 preps | 55700 |
| Stool Total RNA Purification Kit | 50 preps | 49500 |
| Fecal DNA Collection & Preservation Mini Tubes | 50 tubes | 27650 |
| Stool Nucleic Acid Isolation Kit | 50 preps | 45600 |

For more information visit our website www.norgenbiotek.com

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