MB135_SUP4_EN_V2401

# NZY Tissue gDNA Isolation Kit

| Catalogue number | Presentation |
|---|---|
| MB13502 | 50 columns |

## Support Protocol for the isolation of genomic DNA from Stool samples

**1. Sample preparation**

Add 250 mg of feces to 1 mL TE buffer (10 mM Tris/HCl; 1 mM EDTA, pH 8.0). Resuspend the sample by vigorous vortexing.

Centrifuge the sample for 15 min at 4,000 xg. Remove supernatant and resuspend the pellet in 0.2-1 mL Buffer NT1. Use as much buffer as necessary for good resuspension of the sample.

***Note:*** *Additional NT1 Buffer (Cat. No. MB35601) may be purchased separately.*

Transfer 200 µL of the resuspended sample to a new microcentrifuge tube.

***Notes:*** *Human cells, bacterial cells, and cells of pathogens in the stool lyse during the incubation step at 56 °C with Proteinase K with different efficiency. An additional incubation at increased temperature (up to 95 °C; 5–10 min) can be beneficial for cells that are difficult to lyse (e.g., some bacteria and parasites).*

**Proceed with step 2 of the standard protocol with addition of Proteinase K.**



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