# NZY Tissue gDNA Isolation kit

**Catalogue number:** MB13502, 50 columns
MB13503, 50 columns

## Support protocol for isolating genomic DNA from stool

### I. Sample preparation

1. 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.
2. Centrifuge the sample for 15 min at 4,000 x*g*. 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. [Additional NT1 Buffer (MB35601) may be purchased separately].
3. 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.**