## innuPREP Stool DNA Kit

## Protocol 1: Isolation of bacterial DNA from stool samples

Recommended steps before starting

- Heat thermal mixer or water bath (95 °C or 70 °C)
- Prepare Washing Solution HS, Washing Solution MS and Proteinase K according to the instruction
- 1. Starting material
- Stool sample
- 200 400 mg
- Liquid stool sample
- 200 − 400 µl

2. Homogenization and pre-lysis



- Add 1 ml SLS
- Vortex: 1 min
- Incubate: 15 min, 95 °C, 900 rpm

3. Sample cleanup





- Add Pre-filter to a Receiver Tube
- Add 650 µl sample
- 10.000 x g (~12.000 rpm): 2 min
- Add filtrate to a 1.5 ml tube

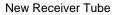
4. PK digestion





- Add 25 µl PK to the filtrate
- Vortex: shortly
- Incubate: 20 min, 70 °C, 900 rpm

5. Binding of DNA



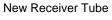


- Add 300 µl SBS, mix
- Add Spin Filter to Receiver Tube
- Add 650 µl sample
- 10.000 x g (~12.000 rpm): 2 min



- Add residual sample
  - 10.000 x g (~12.000 rpm): 2 min

6. Washing



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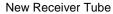


- Add 600 µl HS
- 10.000 x g (~12.000 rpm): 1 min
- Add 750 µl MS
- 10.000 x g (~12.000 rpm): 1 min



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7. Remove Ethanol







- Add Spin Filter to Receiver Tube
- Centrifuge: max speed, 2 min

8. **Elution** 





- Add Spin Filter to an Elution Tube
- Add 100 200 µl Elution Buffer
- Incubation: 1 min @ RT
- 6.000 x g (~8.000 rpm): 1 min

Order No.: 845-KS-7010010 10 reactions

> 845-KS-7010050 50 reactions

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