






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	<ul style="list-style-type: none"> ▪ Stool sample ▪ Liquid stool sample 	<ul style="list-style-type: none"> ▪ 200 – 400 mg ▪ 200 – 400 µl
2. Homogenization and pre-lysis		<ul style="list-style-type: none"> ▪ Add 1 ml SLS ▪ Vortex: 1 min ▪ Incubate: 15 min, 95 °C, 900 rpm
3. Sample cleanup		<ul style="list-style-type: none"> ▪ 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		<ul style="list-style-type: none"> ▪ Add 25 µl PK to the filtrate ▪ Vortex: shortly ▪ Incubate: 20 min, 70 °C, 900 rpm
5. Binding of DNA		<ul style="list-style-type: none"> ▪ 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		<ul style="list-style-type: none"> ▪ 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

7. Remove Ethanol

New Receiver Tube



- Discard filtrate
- 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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