










## innuPREP Stool DNA Kit

### Protocol 2: Isolation of host DNA from stool samples

Recommended steps before starting

- Heat thermal mixer or water bath (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"> <li>▪ Stool sample</li> <li>▪ Liquid stool sample</li> </ul>	<ul style="list-style-type: none"> <li>▪ 200 – 400 mg</li> <li>▪ 200 – 400 µl</li> </ul>
2. Homogenization and pre-lysis			<ul style="list-style-type: none"> <li>▪ Add 1 ml SLS</li> <li>▪ Vortex: 1 min</li> </ul>
3. Sample cleanup			<ul style="list-style-type: none"> <li>▪ Add Pre-filter to a Receiver Tube</li> <li>▪ Add 650 µl sample</li> <li>▪ 10.000 x g (~12.000 rpm): 2 min</li> <li>▪ Add filtrate to a 1.5 ml tube</li> </ul>
4. PK digestion			<ul style="list-style-type: none"> <li>▪ Add 25 µl PK to the filtrate</li> <li>▪ Vortex: shortly</li> <li>▪ Incubate: 20 min, 70 °C, 900 rpm</li> </ul>
5. Binding of DNA			<ul style="list-style-type: none"> <li>▪ Add 300 µl SBS, mix</li> <li>▪ Add Spin Filter to Receiver Tube</li> <li>▪ Add 700 µl sample</li> <li>▪ 10.000 x g (~12.000 rpm): 2 min</li> <li>▪ Add residual sample</li> <li>▪ 10.000 x g (~12.000 rpm): 2 min</li> </ul>
6. Washing			<ul style="list-style-type: none"> <li>▪ Add 600 µl HS</li> <li>▪ 10.000 x g (~12.000 rpm): 1 min</li> <li>▪ Add 750 µl MS</li> <li>▪ 10.000 x g (~12.000 rpm): 1 min</li> </ul>

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## 7. Remove Ethanol

New Receiver Tube



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

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## 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

This documentation describes the state at the time of publishing. It needs not necessarily agree with future versions. Subject to change!

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