
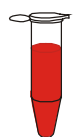
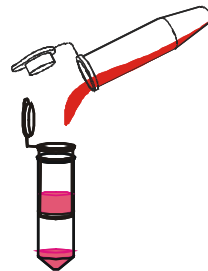


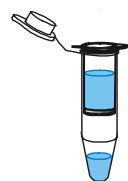


## innuPREP DNA Mini Kit

### Protocol 4: DNA extraction from cell cultures

- Recommended steps before starting
- Heat thermal mixer or water bath (50 °C)
  - Prepare Proteinase K, Washing Solution HS and Washing Solution MS according to the instruction

1. Starting material		<ul style="list-style-type: none"> <li>▪ Max. <math>5 \times 10^6</math> cells</li> </ul>
2. Pellet cells		<ul style="list-style-type: none"> <li>▪ 5,000 x g (~5,000 rpm): 10 min</li> <li>▪ Discard supernatant</li> </ul>
3. Lysis		<ul style="list-style-type: none"> <li>▪ Add 400 µl TLS <u>and</u> 25 µl PK</li> <li>▪ Vortex: 5 sec</li> <li>▪ Incubation: until sample is lysed @ 50 °C</li> </ul>
4. Binding of DNA		<ul style="list-style-type: none"> <li>▪ Add 400 µl TBS</li> <li>▪ Vortex: 15 sec</li> <li>▪ Add Spin Filter to Receiver Tube</li> <li>▪ Add sample to Spin Filter</li> <li>▪ 11,000 x g (~11,000 rpm): 2 min</li> </ul>
5. Washing New Receiver Tube		<ul style="list-style-type: none"> <li>▪ Add 500 µl HS</li> <li>▪ 11,000 x g (~11,000 rpm): 1 min</li> <li>▪ Add 750 µl MS</li> <li>▪ 11,000 x g (~11,000 rpm): 1 min</li> </ul>
6. Remove Ethanol New Receiver Tube		<ul style="list-style-type: none"> <li>▪ Discard filtrate</li> <li>▪ Add Spin Filter to Receiver Tube</li> <li>▪ 11,000 x g (~11,000 rpm): 2 min</li> </ul>
7. Elution		<ul style="list-style-type: none"> <li>▪ Add Spin Filter to Elution Tube</li> <li>▪ Add 200 µl Elution Buffer</li> <li>▪ Incubation: 1 min @ RT</li> <li>▪ 11,000 x g (~11,000 rpm): 1 min</li> </ul>

<b>Order No.:</b>	845-KS-1041010	10 reactions
	845-KS-1041050	50 reactions
	845-KS-1041250	250 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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