
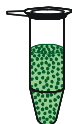

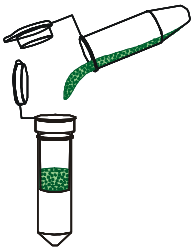

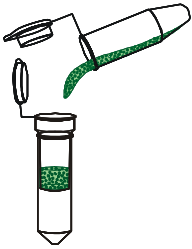



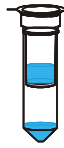
## innuPREP Plant DNA Kit

### Protocol 1: gDNA isolation from plant material using Lysis Solution SLS

- Recommended steps before starting
- Heat thermal mixer or water bath (65 °C)
  - Prepare Washing Solution MS and Proteinase K according to the instruction

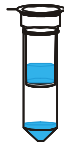
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1. Starting material
- Plant material
  - Wet plant material
  - 50–100 mg
  - 120–180 mg
- 
2. Homogenization
- Homogenizer
  - Pestle
  - Grinding
  - SpeedMill (innuSPEED Plant DNA Kit)
  - Liquid N<sub>2</sub>
  - Sand
- 
- 
3. Lysis
- 
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- Add 400 µl SLS and 20 µl PK
  - Vortex: 5 sec
  - Incubation: 65 °C, 30 min
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4. Pre-filtration
- 
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- Add Prefilter to a Receiver Tube
  - Add sample to Prefilter
  - 11,000 x g (~11,000 rpm): 1 min
- NOTE**  
Don't discard the Receiver Tube with the filtrate!
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5. Optional: RNA removal
- 100 mg/ml RNase A; vortex
  - Incubation: 5 min @ RT
- 
6. Binding of DNA
- New Receiver Tube
- 
- 
- 200 µl SBS to the filtrate
  - Mix: pipetting up and down
  - Add Spin Filter to Receiver Tube
  - Add sample to Spin Filter
  - 11,000 x g (~11,000 rpm): 2 min
-

**7. Washing**  
New Receiver Tube



- Add 650 µl MS
- 11,000 x g (~11,000 rpm): 1 min
- Add 650 µl MS
- 11,000 x g (~11,000 rpm): 1 min

**8. Remove Ethanol**  
New Receiver Tube



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

**9. Elution**  
(Repeat 2x)



- Add Spin Filter to an Elution Tube
- Add 100–200 µl Elution Buffer
- Incubation: 1 min @ RT
- 11,000 x g (~11,000 rpm): 1 min

<b>Order No.:</b>	845-KS-1060010	10 reactions
	845-KS-1060050	50 reactions
	845-KS-1060250	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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