
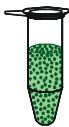
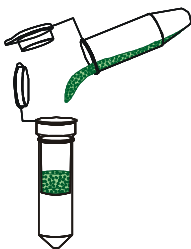





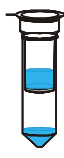

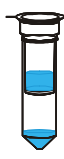



## innuPREP Plant RNA Kit

### Protocol: RNA isolation from plant material

Recommended steps before starting

- Prepare Washing Solution HS and Washing Solution LS according to the instruction

1. Starting material	<ul style="list-style-type: none"> <li>■ Plant material</li> </ul>	<ul style="list-style-type: none"> <li>■ Up to 100 mg</li> </ul>
2. Homogenization and lysis	<ul style="list-style-type: none"> <li>■ Homogenizer e.g. SpeedMill</li> </ul>	 <ul style="list-style-type: none"> <li>■ <u>See also:</u> innuSPEED Plant RNA Kit</li> <li>■ Add frozen starting material to homogenizer tube</li> <li>■ Add 450 µl RL <u>or</u> PL, homogenize</li> <li>■ Add sample to a 1.5 ml tube</li> </ul>
	<p style="text-align: center;"><u>or</u></p> <ul style="list-style-type: none"> <li>■ Liquid nitrogen</li> </ul>  <ul style="list-style-type: none"> <li>■ Grind starting material to fine powder under liquid nitrogen</li> <li>■ Add sample to a 1.5 ml tube</li> <li>■ Add 450 µl RL and lyse sample under continuous shaking</li> <li>■ Centrifuge: max. speed; 1 min</li> </ul>	
3. Selective removing of gDNA	 	<ul style="list-style-type: none"> <li>■ Spin Filter D to Receiver Tube</li> <li>■ Add supernatant to Spin Filter D</li> <li>■ 11,000 x g (~11,000 rpm): 2 min</li> <li>■ Discard Spin Filter D</li> <li>■ Add equal volume 70 % ethanol (approx. 400 µl) to filtrate</li> </ul>
4. Selective binding of RNA New Receiver Tube	 	<ul style="list-style-type: none"> <li>■ Spin Filter R to Receiver Tube</li> <li>■ Add sample to Spin Filter R</li> <li>■ 11,000 x g (~11,000 rpm): 2 min</li> </ul>

<p>6. Washing (Repeat washing with LS 2x) New Receiver Tube</p>			<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 650 µl LS</li> <li>■ 11,000 x g (~11,000 rpm): 1 min</li> </ul>
<p>8. Remove Ethanol New Receiver Tube</p>			<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>
<p>9. Elution</p>			<ul style="list-style-type: none"> <li>■ Add Spin Filter to an Elution Tube</li> <li>■ Add 30–80 µl RNase-free Water</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-2060010	10 reactions
	845-KS-2060050	50 reactions
	845-KS-2060250	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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