

innuSPEED Tissue RNA Kit

Protocol: RNA isolation from tissue samples

- Recommended steps before starting
- Prepare Washing Solution HS and Washing Solution LS according to the instruction

1. Starting material Tissue samples

- Up to 20 mg

2. Homogenization



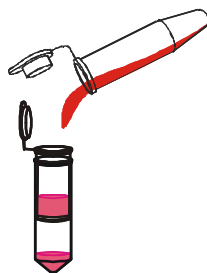
- Cut tissue material (small pieces)
- Add cut material to Lysis Tube P
- Add 100 µl RL
- Add Lysis Tubes P to SpeedMill
- Homogenize: 30 sec – 2 x 2 min

3. Lysis



- Add 350 µl RL
- Incubation: 15 min @ RT
- Centrifuge: max speed, 1 min

4. Selective removing of gDNA



- Spin Filter D to Receiver Tube
- Add supernatant to Spin Filter D
- 10,000 x g (~12,000 rpm): 2 min
- Discard Spin Filter D
- Add equal volume 70 % ethanol (approx. 400 µl) to filtrate

5. Selective binding of RNA

New Receiver Tube



- Spin Filter R to Receiver Tube
- Add sample to Spin Filter R
- 10,000 x g (~12,000 rpm): 2 min

6. Washing

New Receiver Tubes



- Add 500 µl HS
- 10,000 x g (~12,000 rpm): 1 min
- Add 700 µl LS
- 10,000 x g (~12,000 rpm): 1 min

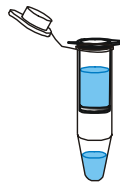
7. Remove Ethanol

New Receiver Tube



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

8. Elution



- Spin Filter R to an Elution Tube
- Add 30–80 µl RNase-free Water
- Incubation: 1 min @ RT
- 6,000 x g (~8,000 rpm): 1 min

Order No.:	845-KS-2540010	10 reactions
	845-KS-2540050	50 reactions
	845-KS-2540250	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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