

innuSPEED Bacteria/Fungi RNA Kit

Protocol: RNA isolation from Gram+ bacteria or fungi

Recommended steps before starting

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

1. Starting material Gram+ bacteria or fungi

- Liquid sample

2. Homogenization



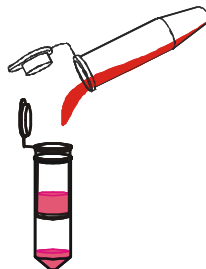
- Centrifuge: max speed, 2 – 5 min
- Add 100 µl RL, re-suspend
- Add sample to Lysis Tubes S
- Add Lysis Tube S to SpeedMill
- Homogenize: 2 x 3 min (break: 30 sec)

3. Lysis



- Add 350 µl RL
- Vortex: 10 sec
- Incubation: 30 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): 1 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): 1 min

6. Washing

New Receiver Tubes



- Add 500 µl HS
- 10,000 x g (~12,000 rpm): 1 min
- Add 650 µl LS
- 10,000 x g (~12,000 rpm): 1 min

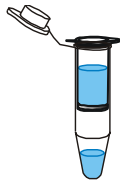
7. Remove Ethanol

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 50 µl RNase-free Water
- Incubation: 2 min @ RT
- 6,000 x g (~8,000 rpm): 1 min

Order No.:	845-KS-2510010	10 reactions
	845-KS-2510050	50 reactions
	845-KS-2510250	250 reactions

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