

blackPREP Tick DNA / RNA Kit

Protocol: Isolation of DNA and RNA from ticks

Recommended steps
before starting

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

1. Starting material

- Whole ticks

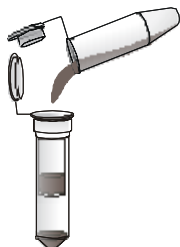
2. Homogenization and lysis



- Add the tick into a Lysis Tube P
- Add 100 µl RL
- Add Lysis Tubes P to SpeedMill
- Homogenization time: 4 min
- Add 300 µl RL
- Incubation: 30 min @ RT
- Centrifugation: max. speed

3. Binding of DNA

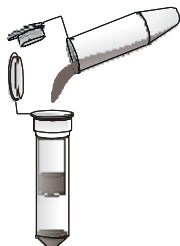
New Receiver Tube



- Spin Filter D to Receiver Tube
- Add supernatant to Spin Filter D
- 10,000 x g (~12,000 rpm): 2 min
- Spin Filter D to Receiver Tube
- **Don't** discard the filtrate!

4. Binding of RNA

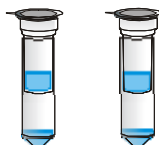
New Receiver Tube



- Add 350 µl 70 % ethanol to filtrate from step 3
- Spin Filter R to Receiver Tube
- Add filtrate to Spin Filter R
- 10,000 x g (12,000 rpm): 2 min
- Spin Filter R to Receiver Tube

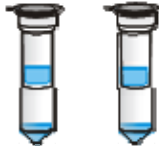
5. Washing of Spin Filter D and R

New Receiver Tubes



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

6. Remove Ethanol of Spin Filter D and R



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

New Receiver Tubes

7. Elution of Spin Filter D and R



- Spin Filter D to an Elution Tube
- Add 100 µl Elution Buffer
- 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-BP-5100010	10 reactions
	845-BP-5100025	25 reactions
	845-BP-5100050	50 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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