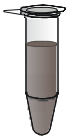
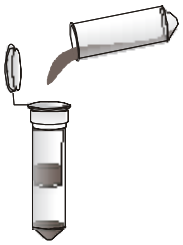
analytikjena
An Endress+Hauser Company

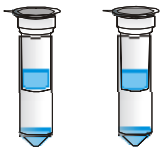
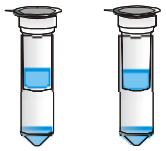
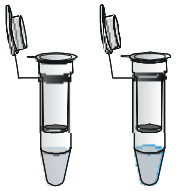
innuPREP DNA / RNA Mini Kit

Protocol 1: DNA and RNA extraction from tissue samples

Recommended steps before starting

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

1. Starting material	■ Tissue		■ Max. 20 mg
2. Homogenization and lysis	■ Homogenizer e.g. SpeedMill		■ Add frozen starting material to homogenizer tube ■ Add 450 µl Lysis Solution RL and homogenize ■ Add sample to a 1.5 ml tube
	or		
	■ Liquid nitrogen 		■ Grind starting material to fine powder under liquid nitrogen ■ Add sample to a 1.5 ml tube ■ Add 450 µl Lysis Solution RL and lyse sample under continuous shaking Centrifuge: max. speed;1 min
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 equal volume 70 % ethanol (approx. 400 µl) to filtrate ■ 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

7. Washing of Spin Filter D and R Re-use Receiver Tube		■ Add 500 µl Washing Solution HS ■ 10,000 x g (~12,000 rpm): 1 min ■ Add 700 µl Washing Solution LS ■ 10,000 x g (~12,000 rpm): 1 min
8. Remove Ethanol of Spin Filter D and R Re-use Receiver Tube		■ Discard filtrate ■ Spin Filter D to Receiver Tube ■ Spin Filter R to Receiver Tube ■ Centrifuge: max speed, 2 min
9. Elution of Spin Filter D and R		■ 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

Order No.:	845-KS-2080010	10 reactions
	845-KS-2080050	50 reactions
	845-KS-2080250	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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