analytikjena
An Endress+Hauser Company

innuPREP Plasmid Mini Kit

Protocol 1: Isolation of plasmid DNA from 0.5–5.0 ml bacterial culture

Recommended steps before starting

- Prepare Washing Solution B according to the instruction

1. Starting material	*E. coli* overnight culture		▪ 0.5–5.0 ml
2. Pellet cells			▪ Centrifuge: max. speed, 1 min ▪ Discard supernatant completely
3. Resuspend cells			▪ Add 250 µl Resuspension Buffer ▪ Vortex
4. Lysis Don't vortex!			▪ Add 250 µl Lysis Buffer ▪ Mix: invert tube 6–8 times ▪ Lysis time: ≤ 5 min
5. Neutralization		 	▪ Add 350 µl Neutralization Buffer ▪ Mix: invert tube 6–8 times ▪ Centrifuge: max speed, 8 min
6. Binding of DNA		 	▪ Add Spin Filter to Receiver Tube ▪ Add clarified sample to Spin Filter ▪ 11,000 x g (~11,000 rpm): 1 min
7. Washing Re-use Receiver Tube		 	▪ Add 500 µl Washing Solution A ▪ 11,000 x g (~11,000 rpm): 1 min ▪ Add 700 µl Washing Solution B ▪ 11,000 x g (~11,000 rpm): 1 min

8. Remove Ethanol
   Re-use Receiver Tube

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

9. Elution

- Add Spin Filter to a 1.5 ml reaction tube
- Add 50–100 µl Elution Buffer P
- Incubation: 1 min @ RT
- 11,000 x g (~11,000 rpm): 1 min

Order No.:

Spin Filter without cap

845-KS-5040010	10 reactions
845-KS-5040050	50 reactions
845-KS-5040250	250 reactions
845-KS-5040500	500 reactions

Spin Filter with cap

845-KS-5041010	10 reactions
845-KS-5041050	50 reactions
845-KS-5041250	250 reactions
845-KS-5041500	500 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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