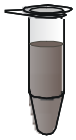
analytikjena
An Endress+Hauser Company

innuPREP Plasmid Mini Kit

Protocol 2: Isolation of plasmid DNA from 5-15 ml bacterial culture

Recommended steps before starting

- Prepare Washing Solution B according to the instruction

1. Starting material	*E. coli* overnight culture		▪ > 5–15 ml
2. Pellet cells			▪ Centrifuge: max. speed, 8 min ▪ Discard supernatant completely
3. Resuspend cells			▪ Add 550 µl Resuspension Buffer ▪ Vortex ▪ Transfer solution to 2.0 ml tube
4. Lysis Don't vortex!			▪ Add 550 µl Lysis Buffer ▪ Mix: invert tube 6–8 times ▪ Lysis time: ≤ 5 min
5. Neutralization			▪ Add 750 µl Neutralization Buffer ▪ Mix: invert tube 6–8 times ▪ Centrifuge: max speed, 8 min
6. Binding of DNA Re-use Receiver Tube		 	▪ Add Spin Filter to Receiver Tube ▪ Add 850 µl of clarified sample to Spin Filter ▪ 11,000 x g (~11,000 rpm): 1 min ▪ Discard filtrate and load residual sample to Spin Filter ▪ 11,000 x g (~11,000 rpm): 1 min

7. Washing
   Re-use Receiver Tube

- Add 650 µl Washing Solution A
- 11,000 x g (~11,000 rpm): 1 min
- Add 750 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, 3 min

9. Elution

- Add Spin Filter to a 1.5 ml reaction tube
- Add 100 µl Elution Buffer P
- Incubation: 3 min @ RT
- 11,000 x g (~11,000 rpm): 1 min

Order No.: 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!

Analytik Jena GmbH
Konrad-Zuse-Strasse 1
07745 Jena · Germany

Phone +49 3641 77 70
Fax +49 3641 77 9279
info@analytik-jena.com
www.analytik-jena.com

Manufacturer:
AJ Innuscreen GmbH
Robert-Rössle-Strasse 10
13125 Berlin · Germany