QIAprep Spin Miniprep Kit Protocol

Purpose: To purify up to 20 μg of molecular biology grade plasmid DNA from liquid culture

Materials:

QIAprep Spin Miniprep Kit

Microcentrifuge

Protocol:

1. Pelleted overnight culture at 8000 rpm for 3 mins at room temperature
2. Resuspended pelleted cells in 250 μl Buffer P1 and transfer to Eppendorf tube
3. Added 250 μl Buffer P2 and invert tube until solution becomes clear
4. Added 350 μl Buffer N3 and mix by inverting tube 4-6b times
5. Centrifuged for 10 mins at 13,000 rpm
6. Added supernatant to spin column
7. Centrifuged for 30 secs and discard flow through
8. Added 500 μl Buffer PB
9. Centrifuged for 30 secs and discard flow through
10. Added 750 μl Buffer PE
11. Centrifuged for 30 secs and discard flow through
12. Centrifuged again for 1 minute
13. Placed spin column in a new 1.5 ml Eppendorf tube and added 50 μl of Buffer EB and let sit for 1 minute
14. Centrifuged for 1 minute