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DNA Extraction

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Protocol status: Working

We use this protocol and it's working



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Abstract

Extract plasmid DNA from antibiotic-selected *E. coli*.



- 1 Pellet 1–5 ml bacterial overnight culture by centrifugation at >8000 rpm (6800 x g) for 3 min at room temperature (15–25°C).
- 2 Resuspend pelleted bacterial cells in 250 µl Buffer P1 and transfer to a microcentrifuge tube.
- 3 Add 250 µl Buffer P2 and mix thoroughly by inverting the tube 4–6 times until the solution becomes clear. Do not allow the lysis reaction to proceed for more than 5 min. If using LyseBlue reagent, the solution will turn blue.
- 4 Add 350 µl Buffer N3 and mix immediately and thoroughly by inverting the tube 4–6 times. If using LyseBlue reagent, the solution will turn colorless.
- 5 Centrifuge for 10 min at 13,000 rpm (~17,900 x g) in a table-top microcentrifuge.
- 6 Apply 800 µl supernatant from step 5 to the QIAprep 2.0 spin column by pipetting. For
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