Quick Start Guide

GenElute™ HP Plasmid Midiprep Kit

NA0200

Reagents to Prepare

- Spin RNase Solution tube briefly and add 750 µL of RNase A Solution to the Resuspension Solution. Store at 2-8°C.
- Add 120 mL of 95-100% ethanol to Wash Solution 2. After each use, tightly cap the diluted Wash Solution to prevent ethanol evaporation.

Protocol

Vacuum format.

Harvest Bacteria

1. Pellet cells from 50 mL overnight culture by spinning for 10 min at 5,000 x g. Discard supernatant.

Resuspend & Lyse Bacteria

2. Resuspend cells in 4 mL Resuspension Solution. Pipet or vortex to mix.
3. Add 4 mL Lysis Solution. Gently invert 6-8 times to mix. Do not vortex. Allow to clear for 3-5 min.

Prepare Cleared Lysate

4. Remove plunger from Filter Syringe and place the barrel in an upright position.
5. Add 4 mL Neutralization Solution (chilled prior to use) to lysed cells and gently invert 4-6 times.
6. Add 3 mL Binding Solution and gently invert 1-2 times. Immediately add the mixture to the barrel of the filter syringe and let sit for 5 min.

Prepare Column

7. Place column onto vacuum manifold and apply vacuum.
8. Add 4 mL Column Preparation Solution to the column and allow it to pass through.

Bind DNA to Column

9. Hold Filter Syringe over the column and gently insert the plunger to expel the cleared lysate. Allow the lysate to pass through the column.

Wash to Remove Contaminants

10. Add 4 mL Wash Solution 1 to column and allow it to pass through.
11. Add 4 mL Wash Solution 2 to column and allow it to pass through. Maintain vacuum until the column is dry (≥ 10 min).

Elute Purified DNA

12. Transfer column to a collection tube.
13. Add 1 mL Elution Solution to the column.
14. Spin for 5 min at 3,000 x g.

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