Quick Start Guide

GenElute™ Plasmid Midi-Prep Kit

PLD35

Reagents to Prepare

- Spin the tube of RNase A solution briefly. Add 500 µL of the RNase A Solution to the Resuspension Solution prior to initial use.
- Dilute the Wash Solution Concentrate with 100 mL of 95–100% ethanol prior to initial use. After each use, tightly cap the diluted wash solution to prevent the evaporation of ethanol.

Protocol

All spins at 3,000-5,000 x g unless noted.

Harvest & Lyse Bacteria

1. Pellet cells from overnight culture for 10 min (5-20 mL from TB or 2xYT; 5-40 mL from LB medium). Discard supernatant.
2. Resuspend cells in 1.2 mL resuspension solution. Pipet or vortex.
3. Add 1.2 mL of lysis solution. Invert gently to mix. Allow to clear for ≤ 5 min.

Prepare Cleared Lysate

4. Add 1.6 mL Neutralization solution. Invert 4-6 times to mix.
5. Pellet debris at 12,000-15,000 x g for 10 min.

Bind DNA to Column

6. Transfer cleared lysate into column in a 15 mL collection tube.
7. Spin for 1-2 min. Discard flowthrough.

Wash to remove contaminants

8. Optional (EndA+ strains only): Add 2 mL Wash Solution to column. Spin for 5 min and discard flowthrough.
9. Add 3 ml wash solution to column. Spin for 5 min and discard flowthrough.

Elute purified DNA

10. Transfer column to new 15 mL collection tube.
11. Add 1 mL Elution Solution to column. Spin for 5 min.

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