

Quick Start Guide

GenElute™ Plasmid Miniprep Kit

PLN70, PLN350

Reagents to Prepare

- Spin RNase Solution tube briefly and add 13 μ L (10 preps), 78 μ L (70 preps) or 500 μ L (350 preps) of RNase A Solution to the Resuspension Solution. Store at 4°C.
- Dilute the Wash Solution Concentrate with 10 mL (10 prep), 100 mL (70 prep) or 300 mL (350 prep) of 95-100% ethanol. After each use, tightly cap the diluted Wash Solution to prevent ethanol evaporation.

Protocol

All spins at $\geq 12,000 \times g$.

Harvest & Lyse Bacteria

1. Pellet cells from 1-5 mL overnight culture by spinning for 1 min. Discard supernatant.
2. Resuspend cells in 200 μ L resuspension solution. Pipet or vortex.
3. Add 200 μ L lysis solution. Invert gently to mix. Allow to clear for ≤ 5 min.

Prepare Cleared Lysate

4. Add 350 μ L neutralization solution. Invert 4-6 times to mix.
5. Pellet debris 10 min.

Bind DNA to Column

6. Transfer cleared lysate into Mini Spin Column in a collection tube.
7. Spin 1 min. Discard flow-through.

Wash to Remove Contaminants

8. **Optional (EndA+ strains only):** Add 500 μ L optional wash solution to column. Spin 1 min. Discard flowthrough.
9. Add 750 μ L wash solution to column. Spin 1 min. Discard flowthrough.
10. Spin 2 min to dry column.

Elute Purified DNA

11. Transfer column to new collection tube.
12. Add 100 μ L elution solution to column. Spin 1 min.

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