

Quick Start Guide

GenElute™ Plasmid Maxi-Prep Kit

PLX15

Reagents to Prepare

- Add 500 µL (15 reactions) or 1.75 mL (50 reactions) of RNase A Solution to the Resuspension Solution.
- Add 200 mL (320 mL) of 96-100% ethanol to the concentrate bottle for 15 reactions (50 reactions). After each use, tightly cap the diluted Wash Solution to prevent ethanol evaporation.

Protocol

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

Harvest & Lyse Bacteria

1. Pellet cells from overnight culture for 10 min (25-100 mL from TB or 2xYT; 25-200 mL from LB medium). Discard supernatant.
2. Resuspend cells in 6 mL resuspension solution. Pipet or vortex.
3. Add 6 mL of lysis solution. Invert gently to mix. Allow to clear for ≤ 5 min.

Prepare Cleared Lysate

4. Add 8 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 50 mL collection tube.
7. Spin for 1 min and discard flowthrough.

Wash to remove contaminants

8. Optional (EndA+ strains only): Add 8 mL Wash Solution to column. Spin for 5 min and discard flowthrough.
9. Add 15 mL Wash Solution to column. Spin for 5 min and discard flowthrough.

Elute purified DNA

10. Transfer column to new 50 mL collection tube.
11. Add 5 mL Elution Solution to column. Spin for 5 min.

Notice

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

The information in this document is subject to change without notice and should not be construed as a commitment by the manufacturing or selling entity, or an affiliate. We assume no responsibility for any errors that may appear in this document.

Technical Assistance

Visit the tech service page on our web site at SigmaAldrich.com/TechService.

Terms and Conditions of Sale

Warranty, use restrictions, and other conditions of sale may be found at SigmaAldrich.com/Terms.

Contact Information

For the location of the office nearest you, go to SigmaAldrich.com/Offices.