

## Quick Start Guide

# GenElute™ HP Plasmid Midiprep Kit

## NA0200

### Reagents to Prepare

- Spin RNase Solution tube briefly and add 750  $\mu$ L 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 ( $\geq$  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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