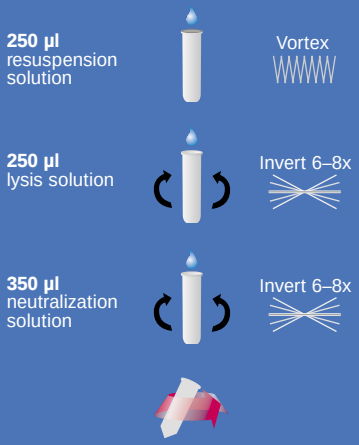
Aurum™ Plasmid Mini Kit: Spin Format

Protocol Overview

For complete protocol, consult instruction manual.

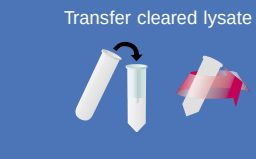
Growth and Isolation

1. Grow 1–5 ml bacterial culture overnight or ≥16 hr.
2. Measure A_{600} (if higher yield required).
3. Transfer an appropriate volume of culture to a capped 2 ml tube. Centrifuge and decant supernatant.
4. Add 250 µl resuspension solution; vortex.
5. Add 250 µl lysis solution; invert 6–8x.
6. Add 350 µl neutralization solution; invert 6–8x.
7. Centrifuge 5 min to pellet cell debris.



Purification

8. Transfer cleared lysate (supernatant) to mini spin/vac column.
9. Centrifuge 1 min to bind plasmid DNA. Decant flow-through.
10. Add 750 µl wash solution and centrifuge 1 min. Decant flow-through.



11. Centrifuge additional **1 min** to remove residual wash solution.

Collection of Purified Samples

12. Transfer mini spin/vac column to a clean 1.5–2.0 ml capped tube.
13. Add 50 µl elution solution. Let stand 1 min and then centrifuge 1 min to elute.
14. Purified DNA is ready to use or can be stored at 4°C.

BIO-RAD

Aurum Plasmid Mini Kit: Cat. #732-6400

For more information, call Technical Services at 1-800-4BIORAD (1-800-424-6723). Visit us on the Web at **www.bio-rad.com/aurum/**

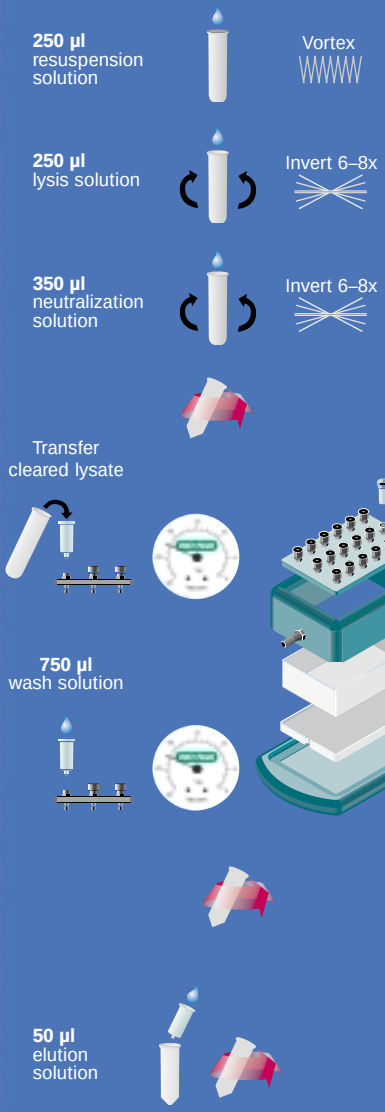
Aurum™ Plasmid Mini Kit: Vacuum Format

Protocol Overview

For complete protocol, consult instruction manual.

Growth and Isolation

1. Grow 1–5 ml bacterial culture overnight or ≥16 hr.
2. Measure A_{600} (if higher yield required).
3. Transfer an appropriate volume of culture to a capped 2 ml tube. Centrifuge and decant supernatant.
4. Add 250 µl resuspension solution; vortex.
5. Add 250 µl lysis solution; invert 6–8x.
6. Add 350 µl neutralization solution; invert 6–8x.
7. Centrifuge 5 min to pellet cell debris.



Purification on Aurum or Comparable Manifold

(See exploded view for proper setup of manifold.)

8. Transfer cleared lysate (supernatant) to mini spin/vac column.
9. Apply vacuum at -20 to -23" Hg to bind plasmid DNA. Turn vacuum off.
10. Add 750 µl wash solution and reapply vacuum until all liquid has passed through column.
11. Transfer mini spin/vac column to a 2 ml wash tube. Spin **1 min** to remove residual wash.

Collection of Purified Samples

12. Transfer mini spin/vac column to a clean 1.5–2.0 ml capped tube.
13. Add 50 µl elution solution. Let stand 1 min and then centrifuge 1 min to elute.
14. Purified DNA is ready to use or can be stored at 4°C.

BIO-RAD

Bulletin 2663 US/EG Rev B 01-568 0901
4110116 Rev A

Aurum Plasmid Mini Kit: Cat. #732-6400

For more information, call Technical Services at 1-800-4BIORAD (1-800-424-6723). Visit us on the Web at **www.bio-rad.com/aurum/**