Plasmid Isolation: Miniprep (Protocol for GeneJET Plasmid Miniprep Kit)

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1 Works for me

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MATERIALS

NAME	CATALOG #	VENDOR
GeneJET Plasmid Miniprep Kit	K0502	Thermo Fisher

1 Centrifuge overnight culture at 4700rpm for 5 minutes and discard the supernatant.

2 Add 250 µL Resuspension solution and resuspend the cells in this. Transfer the mix to an Eppendorf tube.

3 Add 250 µL Lysis solution and invert the tube 4-6 times.

4 Add 350 µL Neutralization solution and invert the tube 4-6 times.

5 Centrifuge for 5 minutes and transfer the supernatant to a GeneJET spin column tube.

6 Centrifuge for 1 minute. Empty the flowthrough and place the column back in the collection tube.

7 Add 500 µL Wash buffer and centrifuge for 1 minute. Discard the flowthrough and place the column back.

8 Repeat step 7.

9 Centrifuge for an additional minute to remove all residual ethanol. Place the column in a fresh Eppendorf.

10 Add 25-50 µL of either Elution buffer or MilliQ to the column and incubate at room temperature for 1 minute.

11 Centrifuge the column for 1 minute.

12 Discard the column and store the purified DNA in -20ºC.