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

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Protocol status: Working

We use this protocol and it's working



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Keywords: protocol for genejet plasmid miniprep kit, genejet plasmid miniprep kit, plasmid, miniprep

Materials

MATERIALS



GeneJET Plasmid Miniprep Kit **Thermo Fisher Catalog #K0502**



- 1 Centrifuge overnight culture at 4700rpm for 5 minutes and discard the supernatant.
- 2 Add 250 μ L Resuspension solution and resuspend the cells in this. Transfer the mix to an Eppendorf tube.
- 3 Add 250 μ L Lysis solution and invert the tube 4-6 times.
- 4 Add 350 μ L 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 μ L 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 μ L 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 -20°C .