



Sep 22, 2019

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

[Alba Balletbó](#)¹¹Wageningen University

1 Works for me

[dx.doi.org/10.17504/protocols.io.7j4hkqw](https://doi.org/10.17504/protocols.io.7j4hkqw)

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 -20°C.



This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited