

# Plasmid Miniprep

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## Abstract

Northeastern's method for plasmid extraction and purification. From Thermo Scientific's GeneJET Plasmid Miniprep Kit

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## Protocol

### Step 1.

Pellet culture in a 1.8mL centrifuge tube at 8,000rpm for 1 minute. Decant Media

### Step 2.

Add 250uL of Resuspension Solution and vortex

### Step 3.

Add 250uL of lysis solution and invert 4-6 times

### Step 4.

Add 350uL of Neutralization Solution and invert the tube 4-6 times

### Step 5.

Bind the DNA to the column by decanting

### Step 6.

Centrifuge at 13,300 rpm for 1 minute

⌚ DURATION  
00:01:00

### Step 7.

Wash the column with 500uL of wash solution and centrifuge for 1 minute

⌚ DURATION  
00:01:00

### Step 8.

Discard the flow-thru and centrifuge for 1 minute

⌚ DURATION  
00:01:00

### Step 9.

Elute the purified DNA with 50uL of Elution Buffer. Let incubate for two minutes, then centrifuge for 2 minutes. Collect the flow-thru in a new centrifuge tube

⌚ DURATION  
00:01:00