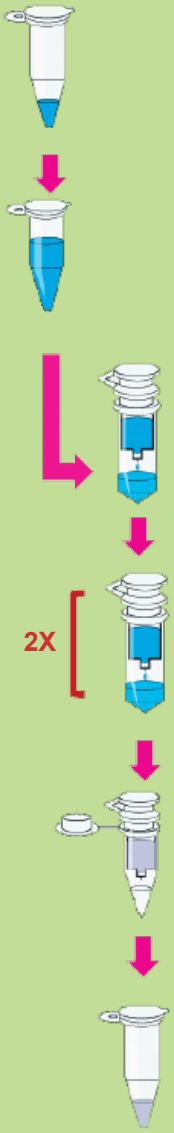
Quick Guide

MYgen Plasmid Mini Prep Kit

Products	Cat No.	Size
MYgen Plasmid Mini Prep Kit	MYP101-100	100 preps
	MYP101-200	200 preps

Kit Contents:

B1
B2
RNase A
Blue Indicator
Help B Buffer
WB Bottle
EB DNA Hydration Solution
Spin column / Collection tube



1. Prepare cell pellet from 1-3 mL microbial culture
   Centrifuge (10,000 rpm, 1 min)
   Leave 100 ul-200 ul + Pellet
2. Add 350 ul B1 (Optional: Blue Indicator)
   Invert 5-10 times
   Add 350 ul B2 to mixture from Step 1
   Mix gently (Invert 5 - 10 times)
   Centrifuge (1,000 rpm, 5 mins)
3. Spin column + collection tube
   Add 200 ul Help B
   Centrifuge (10,000 rpm, 30 sec)
   Discard flow through
4. Transfer Step 2 supernatant to Step 3 spin column + collection tube
   Centrifuge (7,000 rpm, 1 min)
   Discard flow through
5. Add 750 uL WB into spin column
   Centrifuge (13,000 rpm, 30 sec)
   Discard flow-through
   Repeat WB washing step again
6. Centrifuge (13,000 rpm, 3 mins)
7. Place spin column into new 1.5 mL tube
   Discard used 2 mL collection tube
8. Add 30-50 uL Buffer EB
   Incubate mixture (RT, 1 min)
   Centrifuge (13,000 rpm, 2min)

   DNA Elution
   Store at 4°C or -20°C

Preparation:

- Prepare **80% Ethanol** (not provided) in the **WB bottle**.
  Note: Make it fresh directly before use.
- Add Deionized Water (D. W) to **RNase A** tube according to label. Transfer mixed RNAse A solution to **B2** and mix well before use. Store at 4°C after mixed.
- Add **Ethanol** to **Blue Indicator** tube according to label. Transfer mixed solution to **B1** and mix well before use. (Optional)

** Note: Blue indicator is a pH indicator which appears blue color. This indicator does not affect the extraction efficiency or purity.*

Protocol:

1. Use 1 to 3 mL microbial culture
   - Centrifuge at 10,000 rpm for 1 min
   - Leave about 100 ul to 200 ul of media + pellet and discard the rest of the supernatant.
   - Resuspense pellet by vortexing for 10-30 seconds.
2. Add 350 ul of **B1** (Optional: Blue Indicator) to cell pellet.
   - Mix well by inverting 5 to 10 times.
   - Add 350 ul B2 to the mixture from Step 1
   - Mix gently by inverting 5 to 10 times (*Caution: Do not vortex*)
   - Centrifuge at 1,000 rpm for 5 mins.
3. Separately place the **spin column** into **2 ml collection tube** provided.
   - Add 200 ul **Help B** buffer to spin column.
   - Centrifuge at 10,000 rpm for 30 seconds.
   - Discard flow through.
4. Transfer **supernatant from Step 2** into the spin column with 2 mL collection tube from Step 3.
   - Centrifugation at 7,000 rpm for 1 min
   ** Note: Repeat step 4 with flow-through solution to obtain higher yield plasmid*
   - Discard flow-through, place back the spin column into the 2 mL collection tube
5. Add 750 ul **WB** (80% Ethanol added) to the spin column
   - Centrifuge at 13,000 rpm for 30 sec
   - Discard flow-through
   - Repeat Step 5 washing again
6. Centrifuge again at 13,000 rpm for 3 mins to remove leftover residues
7. Place the spin column in a new 1.5 mL micro tube (not provided)
   - Discard the used 2 mL collection tube
8. Add 30 to 50 ul Buffer EB DNA Hydration Solution
   - Incubate the mixture for 1 min at RT
   - Centrifuge at 13,000 rpm for 1 min
   - Discard the spin column
   - Store at 4°C or -20°C

For more information or assistance, you can contact: info@gene-xpress.com.my +603-5879 6317 www.gene-xpress.com.my