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
WB Bottle
EB DNA Hydration Solution
Spin column / Collection tube

1. Prepare cell pellet from 1-3 mL microbial culture
   Add 350 ul B1 (Optional: Blue Indicator)
   Vortex (5 sec)
2. Add 350 ul B2 to mixture from Step 1
   Mix gently (Invert 4 - 6 times)
   Centrifuge (13,000 rpm, 3-5 mins)
3. Transfer Step 2 supernatant into spin column + 2 mL collection tube
   Centrifuge (7,000 rpm, 30 sec)
   Discard flow through
4. Add 750 uL WB into spin column
   Centrifuge (13,000 rpm, 30 sec)
   Discard flow-through
   Repeat WB washing step again

2X

5. Centrifuge (13,000 rpm, 3 mins)
6. Place spin column into new 1.5 mL tube
   Discard used 2 mL collection tube
7. 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 100ul of media + pellet and discard the rest of the supernatant
   - Add 350 ul of B1 (Optional: Blue Indicator) to cell pellet.
   - Mix well by vortexing for 5 seconds.
2. Add 350 ul B2 to the mixture from Step 1
   - Mix gently by inverting 4 to 6 times (Caution: Do not vortex)
   - Centrifuge at 13,000 rpm for 3 to 5 mins or leave on ice for 5 mins
3. Transfer supernatant from Step 2 into the spin column with 2 mL collection tube that is provided
   - Centrifugation at 7,000 rpm for 30 seconds
   - Discard flow-through, place back the spin column into the 2 mL collection tube
4. Add 750 ul WB (80% Ethanol added) to the spin column
   - Centrifuge at 13,000 rpm for 30 sec
   - Discard flow-through, place back the spin column into 2 mL collection tube
   - Repeat Step 4 washing again
5. Centrifuge again at 13,000 rpm for 3 mins to remove leftover residues
6. Place the spin column in a new 1.5 mL micro tube (not provided)
   - Discard the used 2 mL collection tube
7. 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

GeneXpress
Encouraging Scientific Breakthroughs

For more information or assistance, you can contact: info@gene-xpress.com.my +603-5740 8161 www.gene-xpress.com.my