GALENVS PD0050-QSG Universal Pathogen Extraction Kit User Guide

Contents

GALENVS

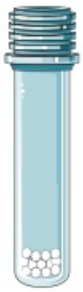
GALENVS PD0050-QSG Universal Pathogen Extraction Kit

Specifications:

- Product: Plant DNA Extraction Kit
- Capacity: Up to 50mg of ground fresh or dried plant leaves
- Includes: Lysis bead tube, Lysis Buffer PPB, RNase, Binding Buffer MNP, Wash Buffer #1, Wash Buffer #2, Elution Buffer
- Speed: TissueLyser at max speed or vortex for 10 mins
- Centrifuge: 20,000g for 2 mins

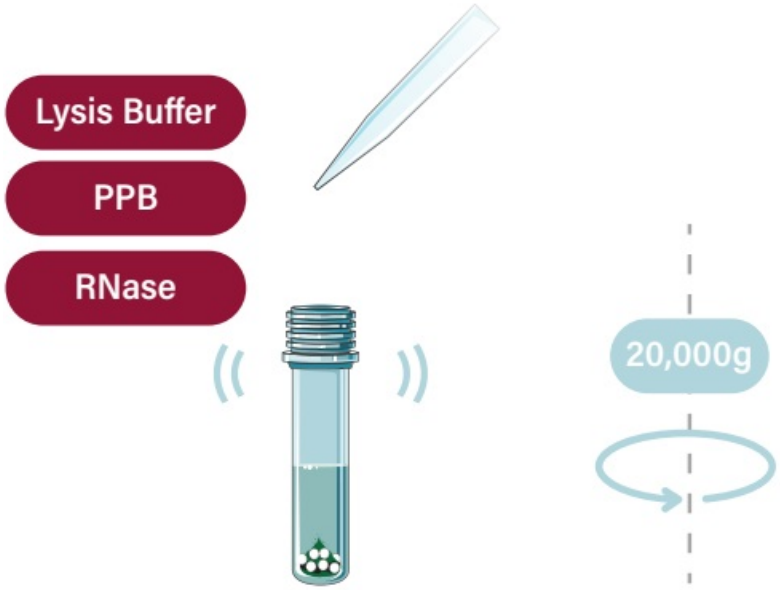
Product Usage Instructions

Step 1: Preparation
Add up to 50mg of ground fresh or dried plant leaves to the lysis bead tube provided.

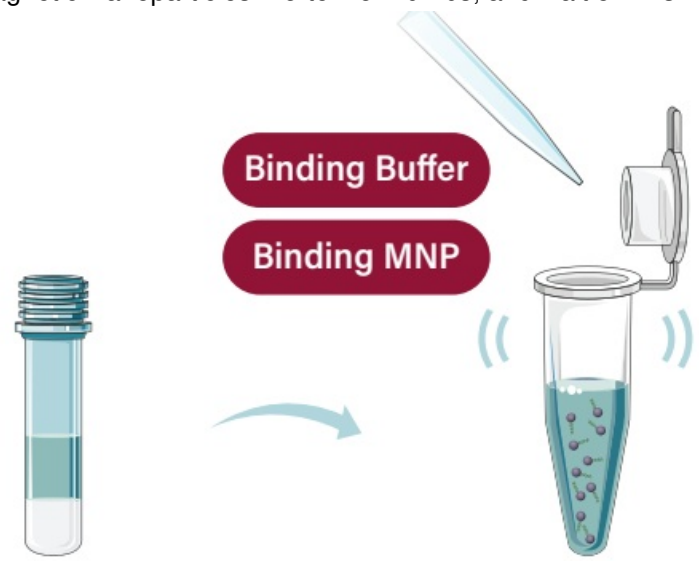


Step 2: Mixing and Centrifugation

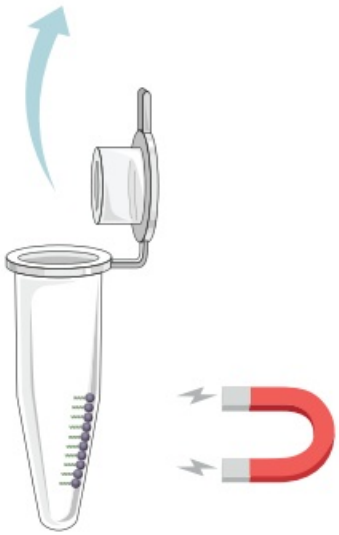
- Add 600ul of Lysis Buffer, 60ul PPB and 5ul RNase.
- Mix for 3 mins using TissueLyser at max speed or vortex for 10 mins; then centrifuge at 20,000g for 2 mins



Step 3: Binding and Capturing
Avoiding pellet, transfer up to 300- 400ul of supernatant to clean centrifuge tube. Add 1000ul of Binding Buffer, then add 50ul of Binding Magnetic Nanoparticles. Vortex for 10-20s, and wait 5 mins.

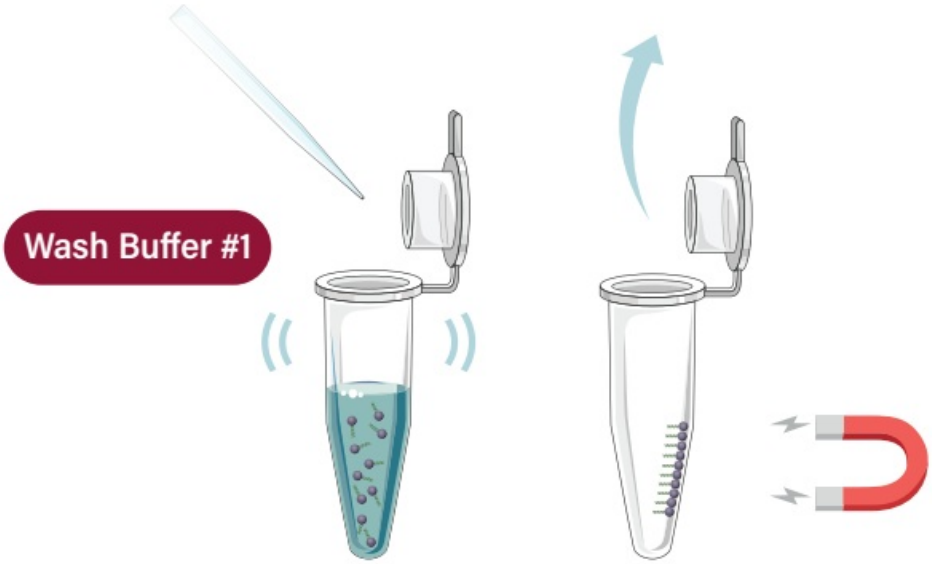


Step 4: Washing
Place tube on magnetic rack to capture. Wait 1 min then discard supernatant.

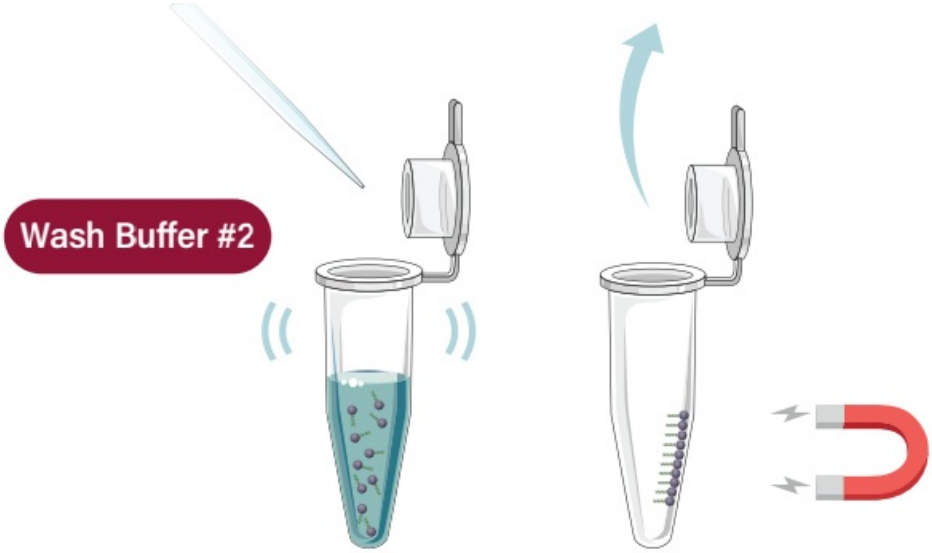


Step 5: Elution

Add 600ul of Wash Buffer #1 to the tube and vortex for 10-20s. Wait 1 min, then place tube ona magnetic rack to capture. Wait 1 min then discard supernatant.



Step 6: Add 600ul of Wash Buffer #2 to the tube and vortex for 10-20s. Place tube on magnetic rack to capture. Wait 1 min then discard supernatant. Repeat step 6 twice. Make sure to remove residual Wash #2 remaining in tube, or use drying step before elution.



Step 7 : Add 100ul of Elution Buffer to tube and mix briefly. Wait 1 min. Place tube on magnetic rack to capture. For increased yield heat Elution Buffer at 60°C for 5 mins.

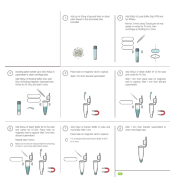
Step 8: Wait 1 min then transfer supernatant to clean microfuge tube.

FAQS

Q: How should I store the Plant DNA Extraction Kit when not in use?
A: Store the kit components in a cool, dry place away from direct sunlight to maintain their efficacy.

Q: Can I reuse the lysis bead tube provided in the kit?
A: It is recommended to use a new lysis bead tube for each extraction to prevent cross-contamination and ensure accurate results.

Documents / Resources

	GALENVS PD0050-QSG Universal Pathogen Extraction Kit [pdf] User Guide PD0050-QSG Universal Pathogen Extraction Kit, PD0050-QSG, Universal Pathogen Extraction Kit, Pathogen Extraction Kit, Extraction Kit

References

- User Manual