

 **GALENVS**  
**PD0050-QSG**  
**Universal**  
**Pathogen**  
**Extraction Kit**



# GALENVS PD0050-QSG Universal Pathogen Extraction Kit User Guide

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**GALENVS PD0050-QSG Universal Pathogen Extraction Kit**



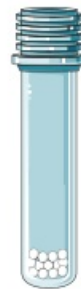
### Specifications:

- 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

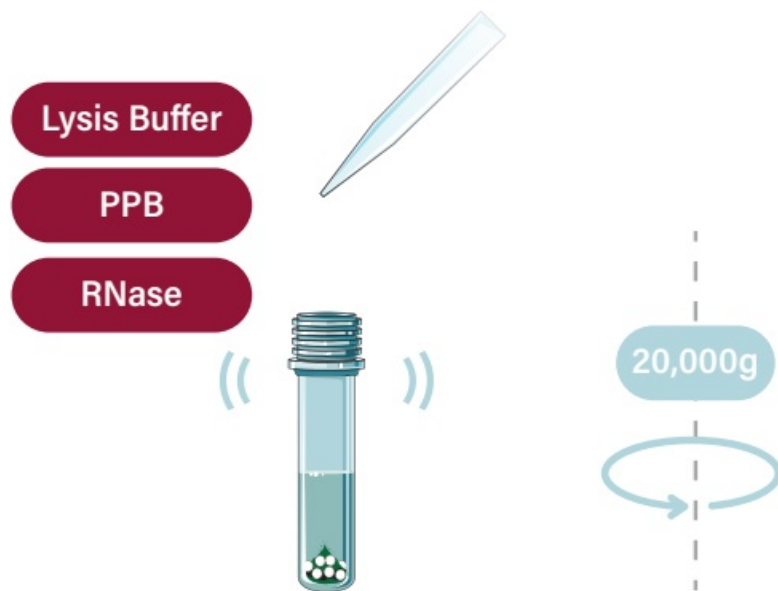
#### Step 1: Preparation

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



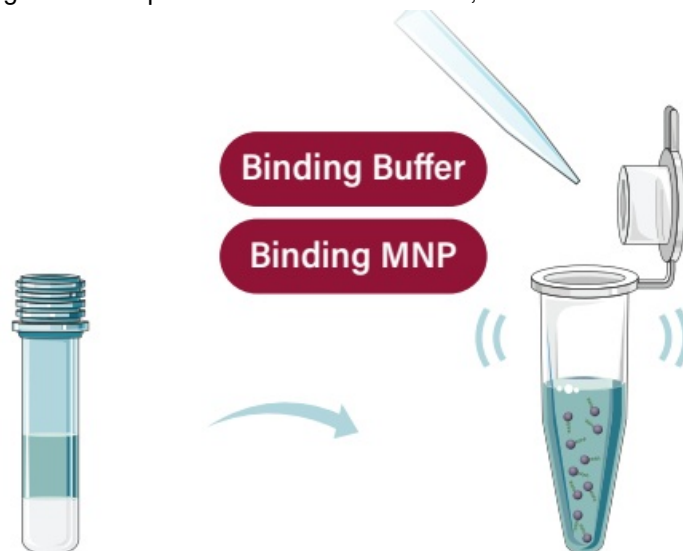
#### Step 2: Mixing and Centrifugation

- 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



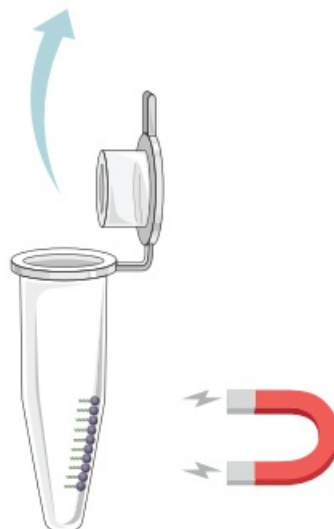
### Step 3: Binding and Capturing

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.



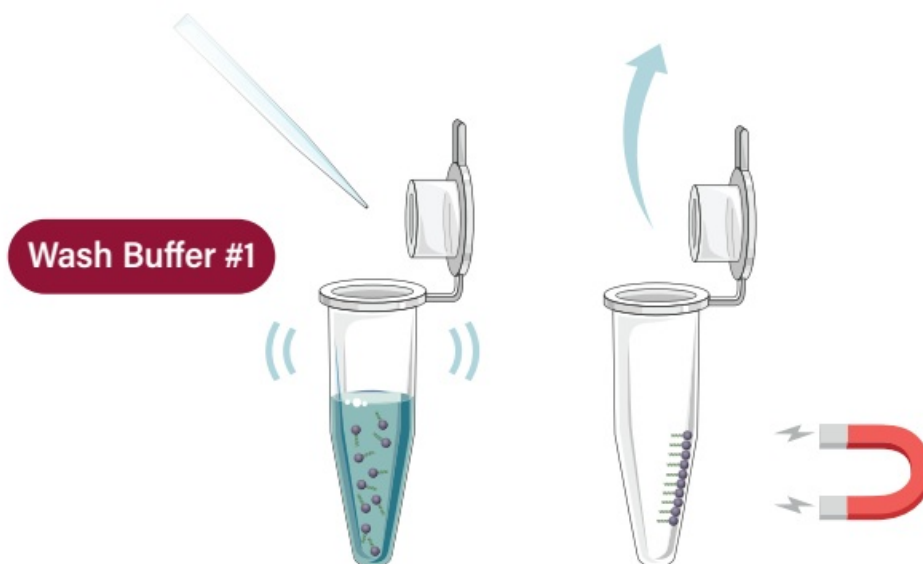
### Step 4: Washing

Place tube on magnetic rack to capture. Wait 1 min then discard supernatant.

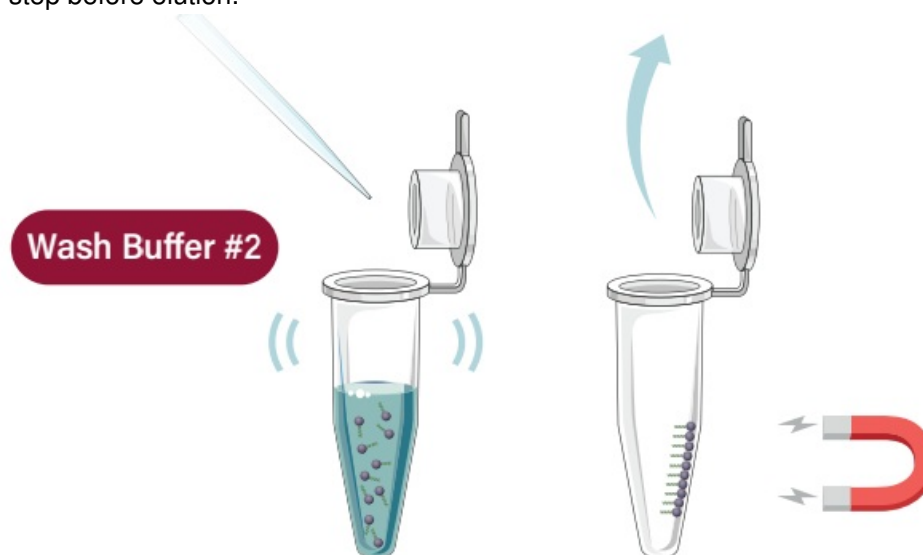


### Step 5: Elution

Add 600ul of Wash Buffer #1 to the tube and vortex for 10-20s. Wait 1 min, then place tube on a 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

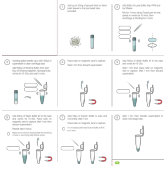
**Q: How should I store the Plant DNA Extraction Kit when not in use?**

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

	<p><a href="#">GALENVS PD0050-QSG Universal Pathogen Extraction Kit</a> [pdf] User Guide PD0050-QSG Universal Pathogen Extraction Kit, PD0050-QSG, Universal Pathogen Extraction Kit, Pathogen Extraction Kit, Extraction Kit</p>
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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