GALENVS

magnetic

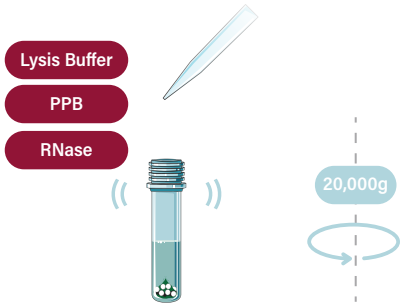
Plant DNA Extraction Kit

Quick Start Guide

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

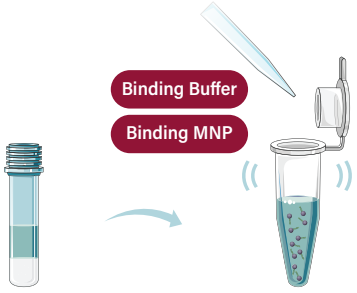
2 Add 600µl of Lysis Buffer, 60µl PPB and 5µl RNase.

Mix for 3 mins using TissueLyser at max speed or vortex for 10 mins; then centrifuge at 20,000g for 2 mins.



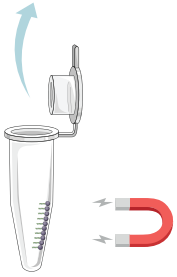
3 Avoiding pellet, transfer up to 300–400µl of supernatant to clean centrifuge tube.

Add 1000µl of Binding Buffer, then add 50µl of Binding Magnetic Nanoparticles. Vortex for 10–20s, and wait 5 mins.



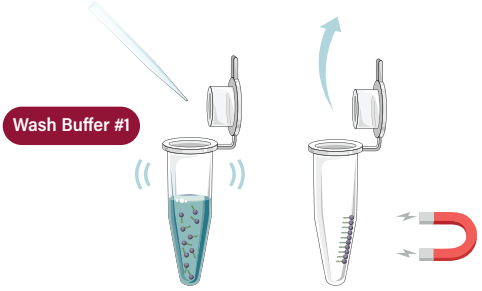
4 Place tube on magnetic rack to capture.

Wait 1 min then discard supernatant.



5 Add 600µl of Wash Buffer #1 to the tube and vortex for 10–20s.

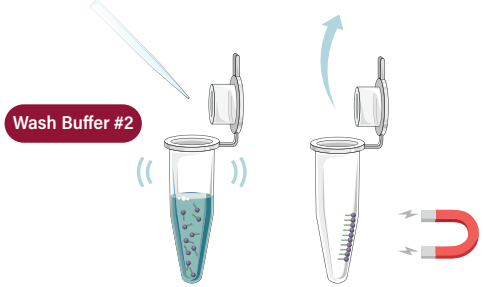
Wait 1 min then place tube on magnetic rack to capture. Wait 1 min then discard supernatant.



6 Add 600µl 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.

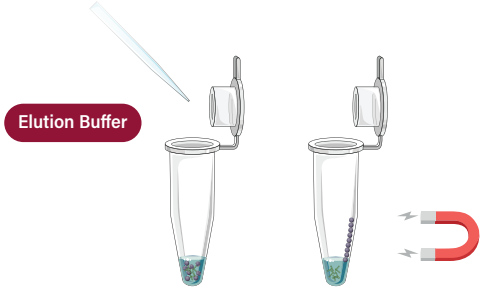
! Make sure to remove residual Wash #2 remaining in tube, or use drying step before elution.



7 Add 100µl 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.



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