GALENVS

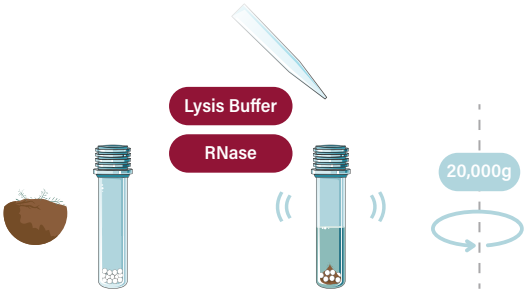
magnetic

Soil DNA Extraction Kit

Quick Start Guide

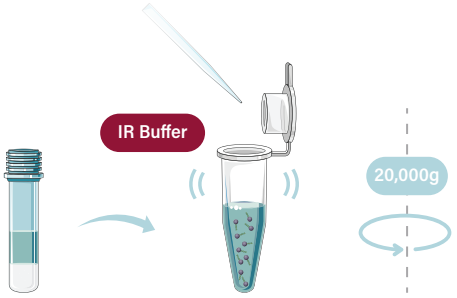
1 Add up to 250mg of soil sample to the lysis bead tube provided.

Add 900µl of Lysis Buffer and 5µl of RNase, mix for 10 mins using TissueLyser at max speed, then centrifuge at 20,000g for 1 min.



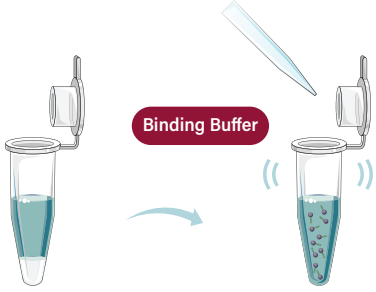
2 Avoiding pellet, transfer up to 400–500µl of supernatant to clean centrifuge tube.

Add 200µl of IR buffer, vortex for 10–20s, then centrifuge for 1 min.



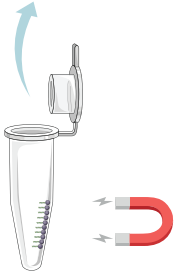
3 Avoiding pellet, transfer up to 400–600µl of supernatant to clean centrifuge tube.

Add 1000µl of Binding Buffer, vortex for 10–20s, and wait 5 mins.



4 Place tube on magnetic rack to capture.

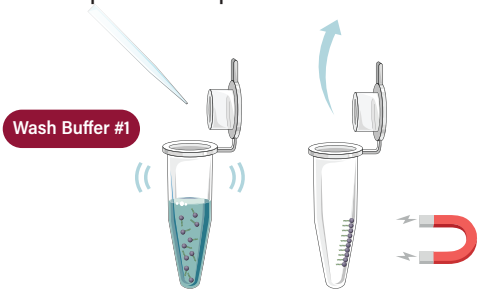
Wait 1 min then discard supernatant.



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.

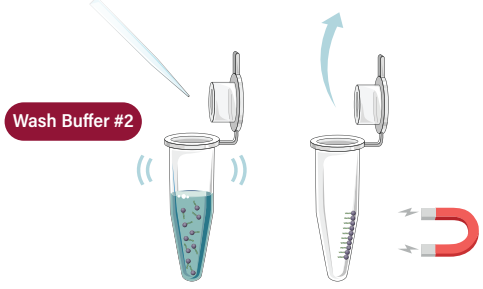
Repeat this step.



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 this step.

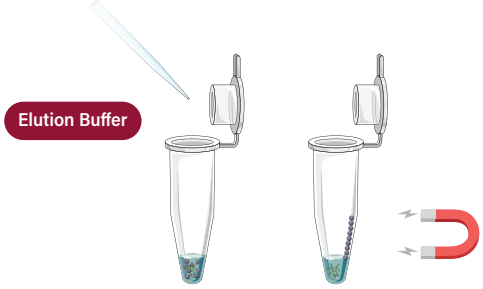
ⓘ Make sure to remove residual Wash #2 remaining in tube, or use drying step before elution.



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.