GALENVS

magnetiC

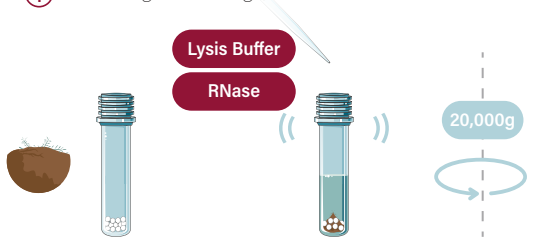
Soil DNA Extraction Kit

Quick Start Guide

1 Add up to 250mg of soil sample to lysis bead tube provided. Add 900µl of Lysis Buffer and 5µl of RNase, mix for 10 mins using TissueLyser at max speed, or vortex for 20 mins, then centrifuge at 20,000g for 5 mins.

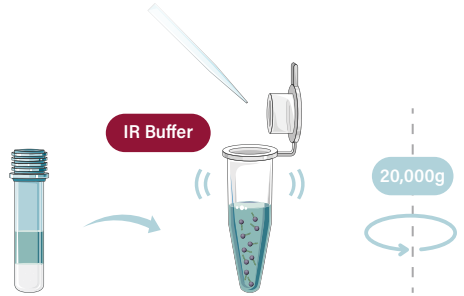
! For manure sample: in addition to the above, heat mixture at 65°C for 10 mins before proceeding to step 2.

! For long term storage, store RNase at -20°C

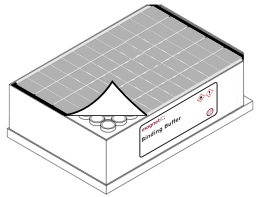


2 Avoiding pellet, transfer up to 400–500µl of supernatant to clean centrifuge tube.

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

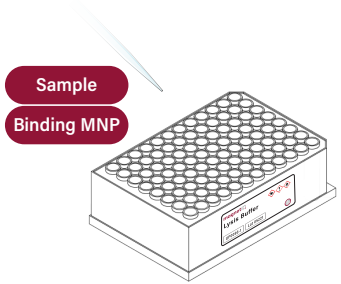


3 Remove protective foil from Binding Buffer plate.

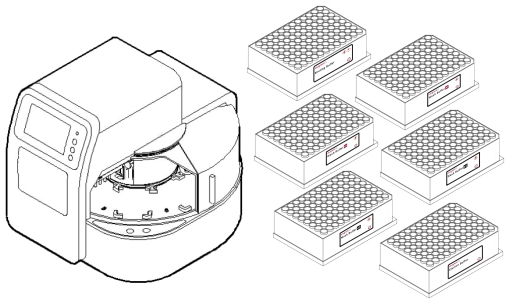


4 Avoiding pellets, add up to 400µl of sample to Binding Buffer plate.

Then add 30µl of Binding Magnetic Nanoparticles to each sample.

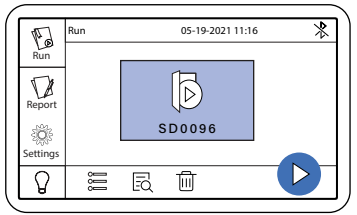


5 Place the ***Binding***, two ***Wash #1***, two ***Wash #2***, and ***Elution*** plates into purification system.



! Place tip combs on Binding plate or in dedicated tip plate, according to machine's specifications.

6 Run the SD0096 Protocol.



7 Purified nucleic acids collected from Elution plate.