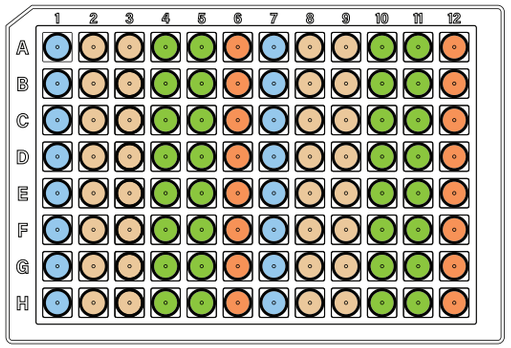
GALENVS

magnetiQ

# Plant DNA Extraction Kit

Quick Start Guide




- Binding Buffer (800µl) Columns 1 & 7
- Wash #1 Buffer (600µl) Columns 2 & 8, 3 &9
- Wash #2 Buffer (600µl) Columns 4 & 10, 5 & 11
- Elution Buffer (100µl) Columns 6 & 12

200µl sample + 40µl Binding Magnetic Nanoparticles added to Binding Buffer

100µl extracted and purified gDNA elution

200µl sample + 40µl Binding Magnetic Nanoparticles added to Binding Buffer

100µl extracted and purified gDNA elution

## miQron Protocol Update

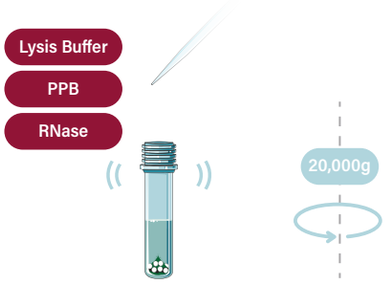
To import the updated protocol into the miQron, press the **Scan Protocol** icon from the **Run** menu (protocol list view window). Use the scanner on the QR code below.


PDKit PROTOCOL V3.0

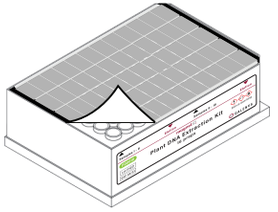
1 Add up to 50mg of plant leaves sample to the lysis bead tube provided.

2 Add 500µl 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.

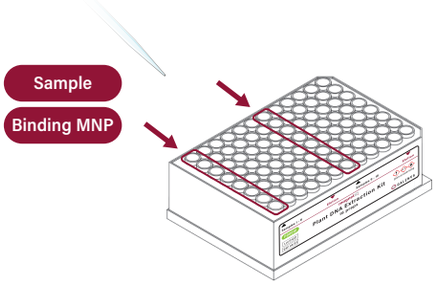



3 Remove the protective foil.

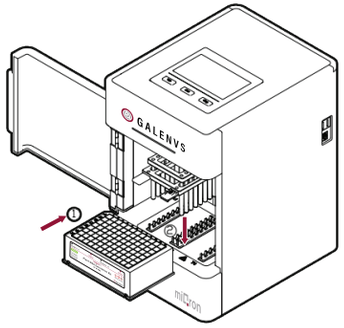


4 Avoiding pellets, transfer up to 200µl of supernatant to Binding Buffer (Columns 1 & 7). Then add 40µl of Binding Magnetic Nanoparticles.

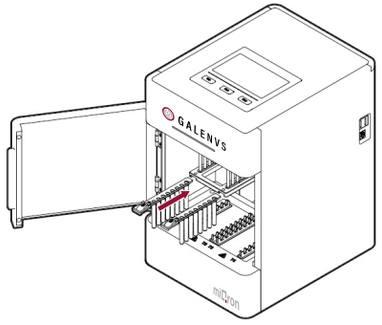
You can add up to 16 samples.



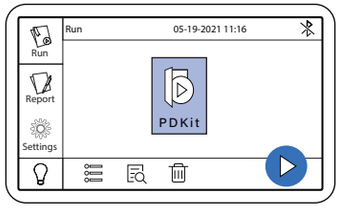

5 Place plate into the miQron, taking care that the label is facing outward.




6 Insert two combs.




7 Select the PDKit protocol and press ▶




When program is complete, remove plate from miQron and discard combs.

Columns 6 and 12 contain the purified DNA elution.