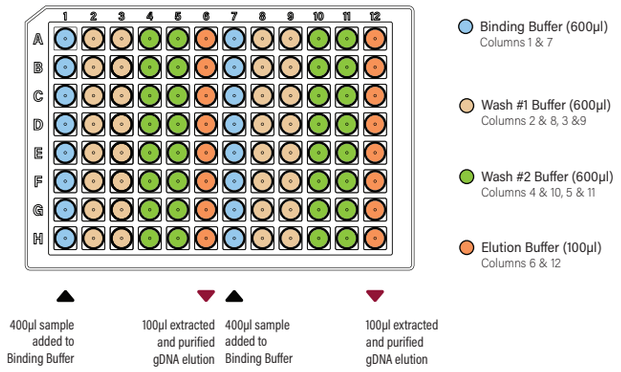
GALENVS

magnetiQ

Plant DNA Extraction Kit

Quick Start Guide



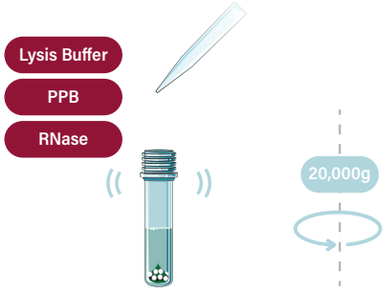
PDKit miQron protocol parameters

Step Name	Column	Volume (µl)	Time (sec)	Mixing Speed (1–10)	Dry Time (sec)	Magnet Capture Time (sec)
Binding	1 & 7	600	300	7	0	150
Wash #1	2 & 8	600	60	7	0	90
Wash #1	3 & 9	600	60	7	0	90
Wash #2	4 & 10	600	60	7	0	90
Wash #2	5 & 11	600	60	7	300	90
Elution	6 & 12	100	60	10	0	150
Discard Comb	2 & 8	600	0	5	0	0

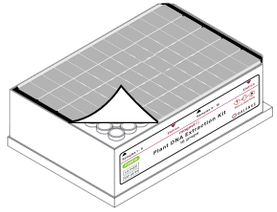
1. Add up to 50mg of plant leaves sample to the lysis bead tube provided.

2. Add 600µl 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.

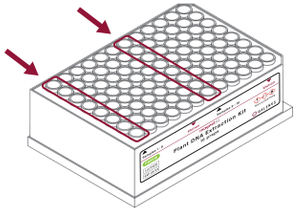


3. Remove the protective foil.

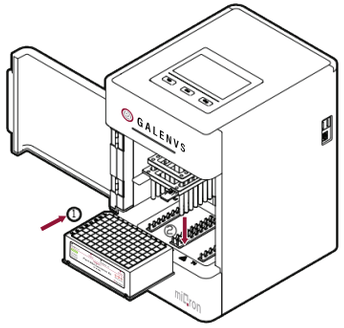


4. Avoiding pellets, transfer up to 400µl of supernatant to Binding Buffer (Columns 1 & 7).

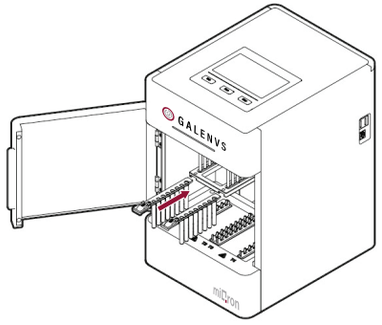
   You can add up to 16 samples.



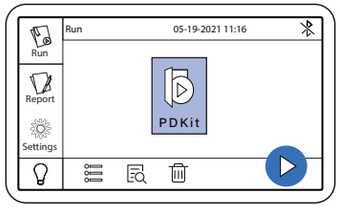
5. Place plate into the miQron, taking care that the label is facing outward.



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.