

300µl sample added to Binding Buffer 100µl extracted and purified gDNA elution 300µl sample added to Binding Buffer 100µl extracted and purified gDNA elution

- Binding Buffer (650µl)
Columns 1 & 7
- Wash #1 Buffer (600µl)
Columns 2 & 8
- Wash #2 Buffer (600µl)
Columns 3 & 9, 4 & 10
- Elution Buffer (100µl)
Columns 5 & 11

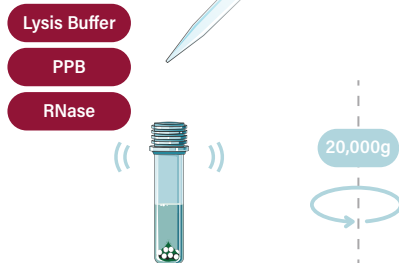
PDKit miQron protocol parameters

Step Name	Column	Volume (µl)	Time (sec)	Mixing Speed (1-10)	Dry Time (sec)	Magnet Capture Time (sec)
Binding	1 & 7	650	300	7	0	150
Wash #1	2 & 8	600	60	7	0	90
Wash #2	3 & 9	600	60	7	0	90
Wash #2	4 & 10	600	60	7	300	90
Elution	5 & 11	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.

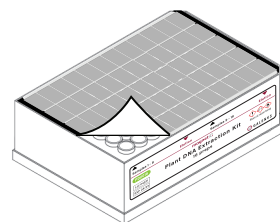


2 Add 600µl Lysis Buffer, 60µl PPB, and 5µl RNase.

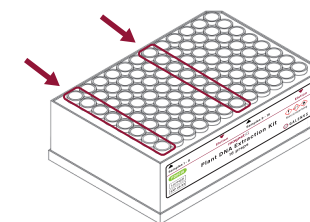


Mix for 3 mins using TissueLyser at max speed or vortex for 10 mins; then centrifuge at 20,000g for 2 mins.

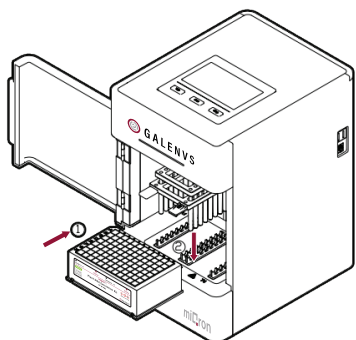
3 Remove the protective foil.



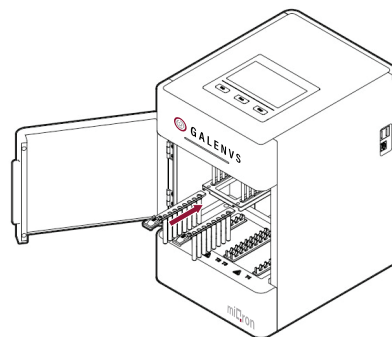
4 Avoiding pellets, transfer up to 300-400µl of supernatant to Binding Buffer (Columns 1 & 7).
You can add up to 16 samples.



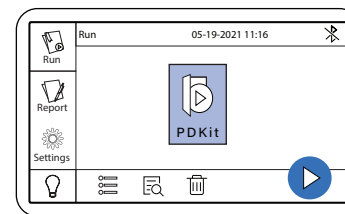
5 Place plate into the miQron, taking care that the label is facing outward.



6 Insert two combs.



7 Select the PDKit protocol and press



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

Columns 5 and 11 contain the purified DNA elution.

