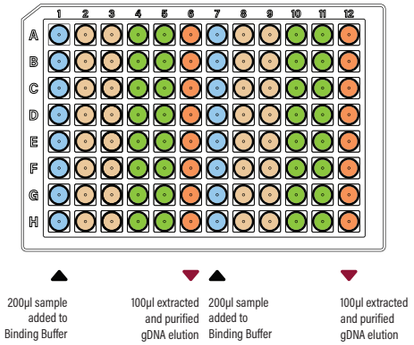
GALENVS

magnetiQ

Plant DNA Extraction Kit

Quick Start Guide



Binding Buffer (600µl)
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

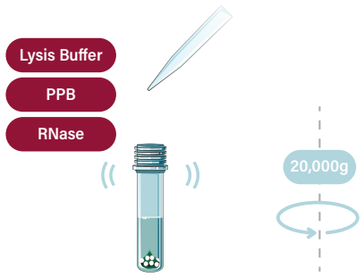
PDKit miQron protocol parameters

Step Name	Column	Volume (µl)	Time (sec)	Mixing Speed (1–10)	Dry Time (sec)	Temp (°C)	Magnet Capture Time (sec)
Binding	1 & 7	900	300	7	0		225
Wash #1	2 & 8	600	180	7	0		135
Wash #1	3 & 9	600	60	7	0		135
Wash #2	4 & 10	600	60	7	0		135
Wash #2	5 & 11	600	60	7	120		135
Elution	6 & 12	100	60	10	0	60	180
Discard Comb	2 & 8	600	0	5	0		0

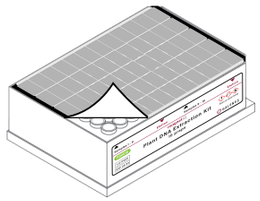
1. Add up to 50mg of plant leaves sample to the lysis bead tube provided.

2. Add 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.

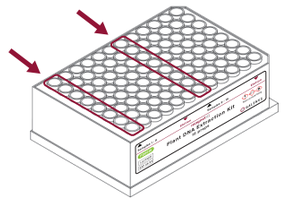


3. Remove the protective foil.

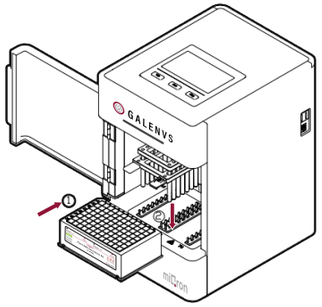


4. Avoiding pellets, transfer up to 200µl of supernatant to Binding Buffer (Columns 1 & 7).

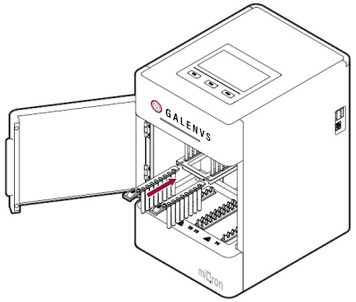
   You can add up to 16 samples.



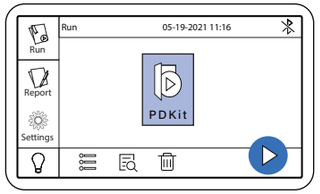
5. Place plate into the miQron, taking care that the label is facing outward.



6. Insert two combs.

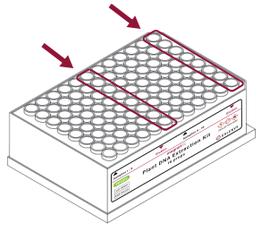


7. Select the PDKit protocol and press ▶



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

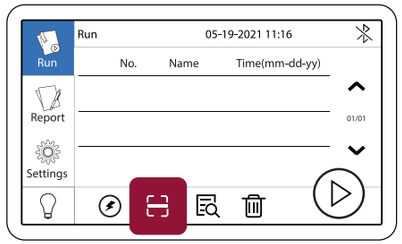
Columns 6 and 12 contain the purified DNA elution.



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 V1.0