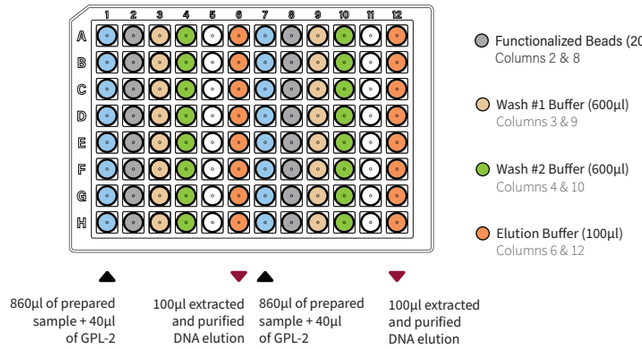
GALENVS

magnetiQ

Quick Plasmid Miniprep Kit

Quick Start Guide



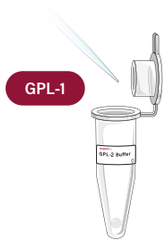
QPMKit miQron protocol parameters

Step Name	Column	Volume (µl)	Time (sec)	Mixing Speed (1–10)	Dry Time (sec)	Magnet Capture Time (sec)
Bead Transfer	2 & 8	200	30	5	0	60
Lysis	1 & 7	900	120	5	0	60
Wash #1 (x2)	3 & 9	600	60	5	0	60
Wash #2 (x2)	4 & 10	600	60	5	60	60
Elution (x2)	6 & 12	100	300	5	0	60
Discard Comb	3 & 9	600	0	10	0	0

1. Add 800µl of GPL-1 Buffer to the GPL-2 Buffer tube.

   Ensure the GPL-2 Buffer is mixed well by vortexing.

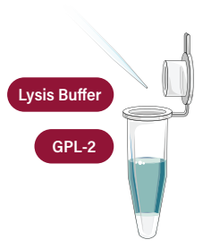
   ⓘ The unused mixture should be kept at 4°C for storage.



2. Pellet 1–10ml of bacterial cell sample.

   Resuspend bacterial pellet in 860µl of Lysis Buffer, then add 40µl of GPL-2 Buffer.

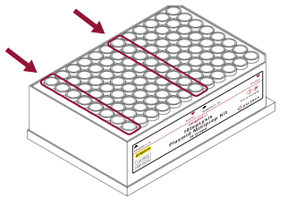
   ⓘ For 10ml bacterial culture, add 80µl of GPL-2 Buffer for better lysis.



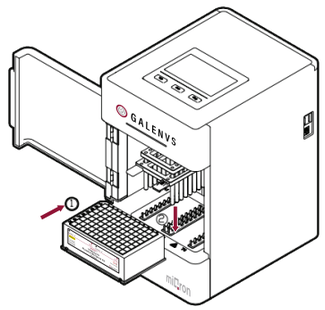
3. Mix well by pipetting up-down until solution is homogenous.

   Incubate for 5 min at room temperature.

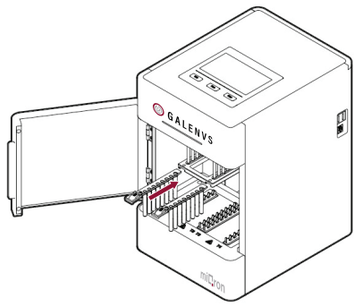
4. Add the Lysis Buffer (columns 1 and 7).



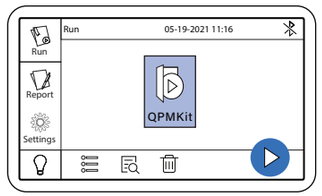
5. Place plate into the miQron, taking care that the label is facing outward.



6. Insert two combs.

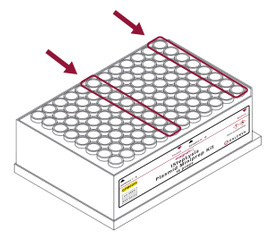


7. Select the QPMKit protocol and press ▶



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

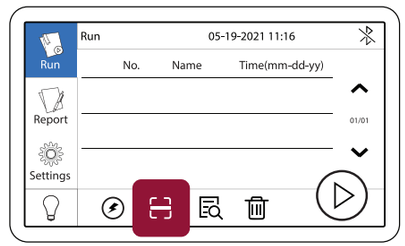
Columns 6 and 12 contain the purified DNA elution.



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.



QPMKIT PROTOCOL V2.0