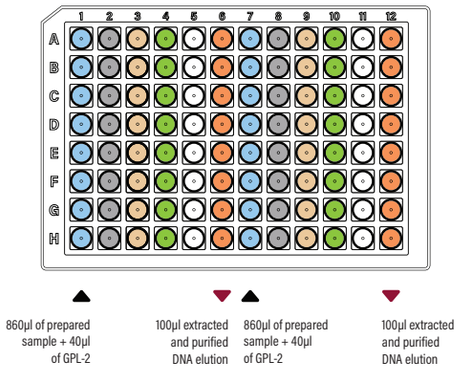
GALENVS

magnetic

Quick Plasmid Miniprep Kit

Quick Start Guide



- Lysis Buffer (900µl) — Columns 1 & 7
- Functionalized Beads (200µl) — Columns 2 & 8
- Wash #1 Buffer (600µl) — Columns 3 & 9
- Wash #2 Buffer (600µl) — Columns 4 & 10
- Elution Buffer (100µl) — Columns 6 & 12

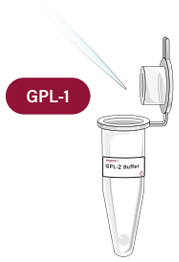
QPMKit miQron protocol parameters

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

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

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

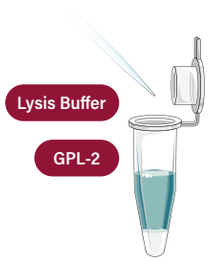
   ⓘ The unused mixture should be kept at 4°C for storage.



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

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

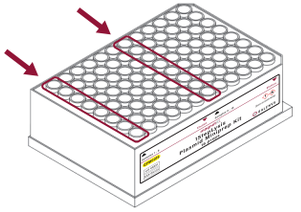
   ⓘ For 10ml bacterial culture, add 80µl of GPL-2 Buffer for better lysis.



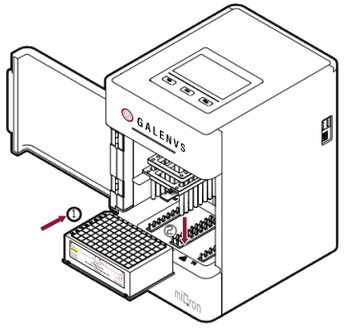
3. Mix well by pipetting up-down until solution is homogenous.

   Incubate for 5 min at room temperature.

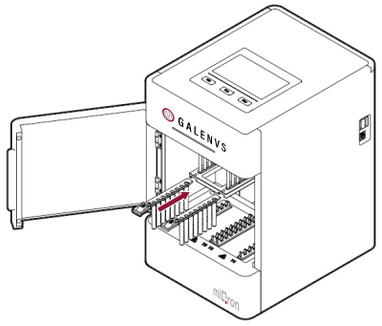
4. Add the Lysis Buffer (columns 1 and 7).



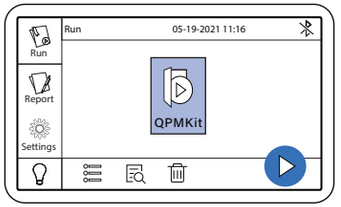
5. Place plate into the miQron, taking care that the label is facing outward.



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.