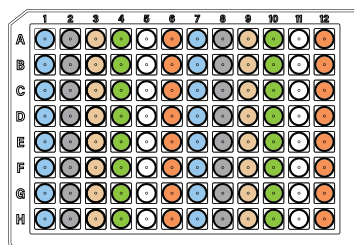


- Lysis / Binding Buffer (600µl)  
Columns 1 & 7
- Wash #1 Buffer (600µl)  
Columns 3 & 9
- Binding magnetic nanoparticles (200µl)  
Columns 2 & 8
- Wash #2 Buffer (600µl)  
Columns 4 & 10
- Elution Buffer (90µl)  
Columns 6 & 12

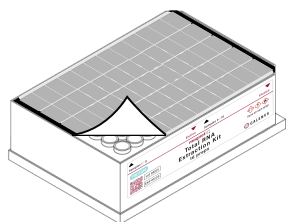


- ▲ 200µl sample added to Lysis/Binding Buffer
- ▼ 90µl extracted and purified RNA elution
- ▲ 200µl sample added to Lysis/Binding Buffer
- ▼ 90µl extracted and purified RNA elution

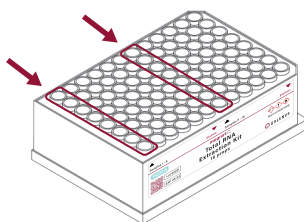
**TRCKit miQron protocol parameters**

| Step Name     | Column | Volume (µl) | Time (sec) | Mixing Speed (1-10) | Dry Time (sec) | Magnet Capture Time (sec) |
|---------------|--------|-------------|------------|---------------------|----------------|---------------------------|
| Lysis         | 1 & 7  | 800         | 12         | 7                   | 0              | -                         |
| Bead Transfer | 2 & 8  | 200         | -          | -                   | 0              | 100                       |
| Binding       | 1 & 7  | 800         | 12         | 7                   | 0              | 110                       |
| Wash #1       | 3 & 9  | 600         | 12         | 6                   | 0              | 100                       |
| Wash #2       | 4 & 10 | 600         | 12         | 6                   | 12             | 100                       |
| Elution       | 6 & 12 | 90          | 12         | 7                   | 0              | 200                       |
| Discard Comb  | 2 & 8  | 600         | 0          | 5                   | 0              | 0                         |

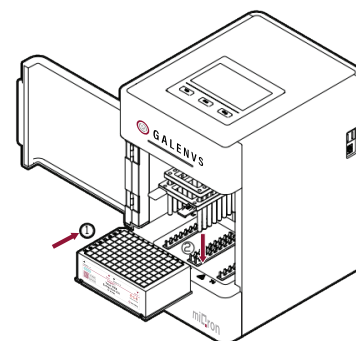
**1** Remove the protective foil.



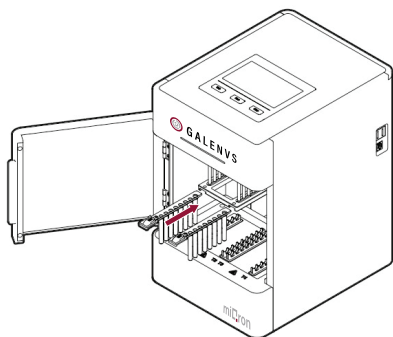
**2** Add up to 16 samples to Lysis/Binding Buffer (columns 1 and 7).



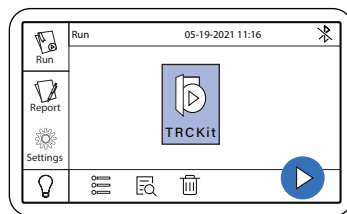
**3** Place plate into the miQron, taking care that the label is facing outward.



**4** Insert two combs.



**5** Select the TRCKit protocol and press ▶



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

Columns 6 and 12 contain the purified RNA elution.

