RapiPREP-Micro
Instructions for Use
(Issue 26.2)

A. Intended use. For the concentration of pathogens from swabs and clinical samples such as urine prior to testing by PCR. For *in vitro* and research use only.

B. Warning and precautions. To be used by trained personnel only. Use within an appropriate biosafety cabinet. Wear appropriate protective clothing including gloves and laboratory coats. Dispose of all potentially infectious waste in a safe and responsible manner.

C. Kit contents:

RPB	1 x 50 ml	RapiPREP-Micro Bead Solution.
RPCB4	1 x 5 ml	RapiPREP-Micro Capture Buffer.
RPWB1	1 x 50 ml	RapiPREP-Micro Wash Buffer.
RPEB3	1 x 5 ml	RapiPREP-Micro Elution Buffer
RPDB3	1 x 10 ml	RapiPREP-Micro Dilution Buffer

Do not use beyond stated expiration date. Store all reagents at room temperature.

D. Accessory reagents

A magnetic rack that holds 1.5-2.0 ml microfuge tubes to enable capture the magnetic beads.
A heating block at 95ºC that can hold 1.5-2.0 ml microfuge tubes.

E. Protocol

1. Take 0.5 ml sample to be extracted into a 1.5 or 2.0 ml microfuge tube and add 50 µl RapiPREP-Micro Capture Buffer. Mix.

2. Add 0.5 ml RapiPREP-Micro Bead Solution and mix. **Note:** mix the stock bead solution well before use.

3. Leave for at least 3 min to allow the micro-organisms to be captured to the beads and then place the tubes in the magnetic rack.

4. Once the beads have been collected remove the liquid to waste.

5. Add 0.5 ml RapiPREP-Micro Wash Buffer and resuspend the beads away from the magnet.

6. Place the tubes back in the magnetic rack and after the beads have been collected remove as much Wash Buffer as possible.

7. Add 25 µl RapiPREP-Micro Elution Buffer and resuspend the beads away from the magnet.

8. Place the tubes in the heating block at 95ºC for 10 min.

9. Place the tubes back in the magnetic rack and once the beads have been collected, add 75 µl RapiPREP-Micro Dilution Buffer. Mix the Dilution Buffer with the Elution Buffer without disturbing the beads i.e. while the tubes are still in the magnetic rack and the beads are still collected.

10. 2-6 µl of the liquid can now be analysed in a 20-50 µl PCR reaction for the pathogen of interest. **Note:** avoid getting any of the beads into the PCR reaction as the beads will inhibit the amplification. At this stage the samples can be stored frozen.