IndiMag Pathogen Kit
Quick Start Protocol

For use with the IndiMag® 48

The IndiMag Pathogen Kit (cat. no. SP947457) and the IndiMag Pathogen Kit w/o plastics (cat. no. SP947257) can be stored at room temperature (15-25°C). For expiry date information, read the label on the kit box.

Further information and support

- IndiMag Pathogen Kit or IndiMag Pathogen Kit w/o plastics Handbook: **www.indical.com/handbooks**
- Technical assistance: **support@indical.com**

Important notes before starting

- Read the safety information in the instrument user manual before use.
- Dissolve carrier RNA in Buffer AVE as indicated on the tube.
- Add isopropanol (100%) to Buffer ACB and ethanol (96-100%) to Buffers AW1 and AW2 before use. See the respective bottle labels for volumes.
- Vortex MagAttract Suspension G for 3 minutes and ensure that it is fully resuspended.
- Equilibrate buffers to room temperature (15-25ºC).

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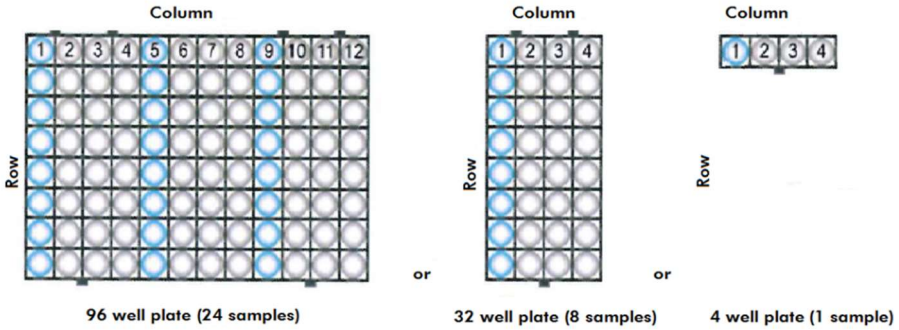
Procedure

1. Label and prepare 4/32/96 well plates (columns 2-4) according to Table 1.

Table 1: Instrument setup and reagent volumes

Column		Item to add	Volume per well
1	Lysate	Lysate*	720 µl
2	Wash 1	Buffer AW1	700 µl
3	Wash 2	Buffer AW2	700 µl
4	Elution	Buffer AVE	100 µl

* Includes 20 µl Proteinase K, 200 µl sample and 500 µl Buffer VXL mixture



96 well plate (24 samples) 32 well plate (8 samples) 4 well plate (1 sample)

2. Prepare Buffer VXL mixture according to Table 2.

Table 2: Buffer VXL mixture preparation

Reagent	1 reaction	8 reactions	24 reactions	48 reactions
Buffer VXL	100 µl	800 µl	2.4 ml	4.8 ml
Buffer ACB	400 µl	3.2 ml	9.6 ml	19.2 ml
MagAttract Suspension G	25 µl	200 µl	0.6 ml	1.2 ml
Carrier RNA (1 µg/µl)	1 µl	8 µl	24 µl	48 µl

* Prepared volumes are 105% of required volumes to compensate for pipetting errors and possible evaporation. Excess buffer should be discarded.

3. Pipet 20 µl Proteinase K into the bottom of the first column and add 200 µl sample according to Table 1.

   Note: If your sample volume is less than 200 µl, bring it to 200 µl by adding PBS.

4. Mix Buffer VXL mixture thoroughly for 30 s and add 500 µl Buffer VXL mixture to each sample in deep well plate.

5. Immediately load prepared plates onto the IndiMag 48, load magnet rod cover strips on correct position and start the appropriate protocol.