

# IndiMag® Pathogen Kit

## Quick Start Protocol

### For use with the IndiMag 2 (using lysis strips, 32-well blocks and elution strips)

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 w/o plastics Handbook: [www.indical.com/handbooks](http://www.indical.com/handbooks)
- Technical assistance: [support@indical.com](mailto:support@indical.com)

### Important notes before starting

- Read the safety information in the IndiMag 2 user manual before use.
- Add Buffer AVE to dissolve carrier RNA 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 (15-25°C).

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# Procedure

- Label and prepare 32-well blocks (B; columns 1-4), lysis strips (L) and elution strips (E) according to Table 1 and Figure 1.

**Table 1 and Figure 1 (right): Instrument setup and reagent volumes**

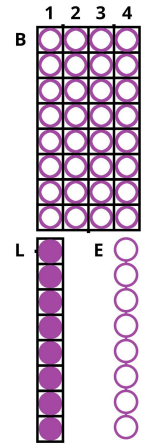
Lysis strip (L)	Item to add	Volume per well
L Lysate	Lysate*	720 µl*

Column (B)	Item to add	Volume per well
1 Wash 1	Buffer AW 1	700 µl
2 Wash 2	Buffer AW 2	700 µl
3 Wash 3	Ethanol (96 – 100 %)	750 µl
4 empty	-	-

Elution strip (E)	Item to add	Volume per well
E Elution	Buffer AVE	100 µl



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

- 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

- Pipet 20 µl Proteinase K into the bottom of the lysis strips and add 200 µl sample according to Table 1 and Figure 1 (L; marked in purple).

**Note:** If working with insufficient volume of sample, add PBS, 0.9 % NaCl or nuclease-free water to achieve a total sample volume of 200 µl.

- Mix Buffer VXL mixture thoroughly for 30 sec and add 500 µl Buffer VXL mixture to each sample (L; marked in purple).
- Immediately load the prepared 32-well blocks and strips into the IndiMag 2, load the rod covers into correct positions and start the appropriate protocol.

**Note:** The “IndiMag Pathogen Lysis/Block/Elution” protocol is preinstalled on the IndiMag 2.

## Change index

PCard	Version	Change
HB-2647-EN-001	March 2025	Product launch