

# NucleoMag® Pathogen – NucleoMag® X32

## Protocol details

| Application   | Viral and bacterial RNA/DNA from clinical samples |
|---------------|---------------------------------------------------|
| Kit           | NucleoMag® Pathogen                               |
| REF           | 744210 (.1 / .4)                                  |
| Protocol name | NMPathogen                                        |
| Run time      | approx. 29 min                                    |



## Protocol steps

| Procedure |                                                                 |
|-----------|-----------------------------------------------------------------|
| 1         | Perform lysis according to the user manual NucleoMag® Pathogen. |
| 2         | Fill the 96-well Deep-well plates according to the table below. |
| 3         | Load the plates on the NucleoMag X32®.                          |
| 4         | Insert tip combs on the mounting grooves.*                      |
| 5         | Select the protocol from the instrument menu and start run.     |

Notes: \* Please equip all tip combs in order to cover the magnetic rods in used and unused wells.

## Required consumables and instrumentation provided by user

| Product            | Specification                                                                                                             | REF    |
|--------------------|---------------------------------------------------------------------------------------------------------------------------|--------|
| NucleoMag X32®     | Automated nucleic extraction system for MACHEREY-NAGEL's NucleoMag® kits enabling parallel processing of up to 32 samples | 747020 |
| 96 Deep-well Plate | 96 deep-well plates for NucleoMag® X32 (25 pieces)                                                                        | 744955 |
| Tip Combs          | 8-well tip combs for NucleoMag® X32 (50 pieces)                                                                           | 744960 |

Find more NucleoMag® X32 protocol information and scripts here: <https://www.mn-net.com/de/NucleoMag-X32-Scripts>



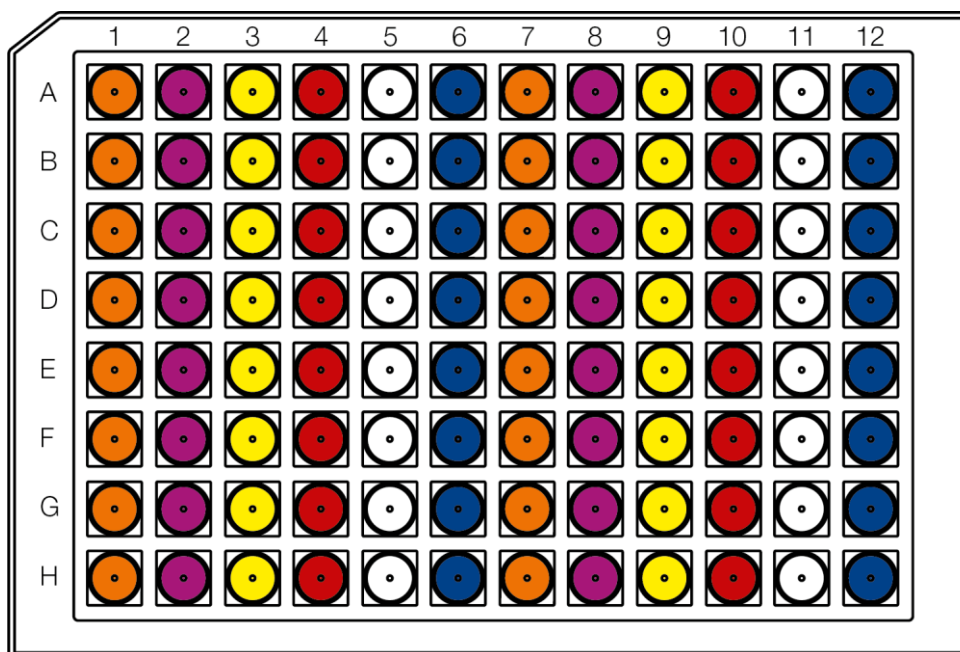
## Loading table

| Position      | Reagents                                                                  | Samples per plate         |
|---------------|---------------------------------------------------------------------------|---------------------------|
| Column 1 + 7  | Lysate (400 µL), NucleoMag® B-Beads (20 µL), Binding Buffer NPB2 (575 µL) | Sample 1-8<br>Sample 9-16 |
| Column 2 + 8  | Wash Buffer NPW3 (600 µL)                                                 | Sample 1-8<br>Sample 9-16 |
| Column 3 + 9  | Wash Buffer NPW4 (600 µL)                                                 | Sample 1-8<br>Sample 9-16 |
| Column 4 + 10 | Ethanol 80% (600 µL)                                                      | Sample 1-8<br>Sample 9-16 |
| Column 5 + 11 | empty                                                                     | -<br>-                    |
| Column 6 + 12 | Elution Buffer NPE5 (100 µL)                                              | Sample 1-8<br>Sample 9-16 |

Notes:

Please refer to the image below for a visual representation of the loading scheme

## Loading scheme



## Disclaimer

### Information

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