

# Ready for the next flu season?



 **vitro**  
master diagnóstica®



## Respiratory virus detection kits: Stop it in its tracks!

### Quick and reliable results



### PURPOSE

Detection and differentiation of flu and SARS-CoV-2, as well as potential co-infections during respiratory disease seasons

Detection of other respiratory viruses that cause acute respiratory diseases

Detection of SARS-CoV-2 and its different variants

### SOLUTION

Ensures that patients receive the right treatment in a timely manner

Broad coverage to distinguish between all respiratory pathogens



## Real-time RT-PCR-based kits



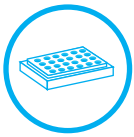
Single master mix  
ready for use



Can be fully  
automated



RNA extracted  
- Bronchoalveolar lavage (BAL)  
- Nasopharyngeal swab



Standard amplification  
protocol: possibility  
of running multiple  
tests at once



Open system  
compatible with  
most thermocyclers  
on the market



UNG enzyme  
incorporated to prevent  
contamination

**NEW**

### RESPI+ RT-PCR KIT

Diagnostic kit that detects the RNA from the Influenza A (FluA) virus, Influenza B (FluB) virus, SARS-CoV-2 and Respiratory Syncytial Virus (RSV), using one-step real-time RT-PCR

#### FLU-COVID PLUS RT-PCR KIT

Diagnostic kit that detects the RNA from the Influenza A (FluA) virus, Influenza B (FluB) virus, SARS-CoV-2, Respiratory Syncytial Virus (RSV), Metapneumovirus (MPV) and Rhinovirus (RhV) using one-step real-time RT-PCR



#### SARS-CoV-2 Variants RT-PCR KIT

Kit that detects variants of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) using one-step real-time RT-PCR

#### SARS-CoV-2 RT-PCR KIT

Kit that detects Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) using one-step real-time RT-PCR

## Full automation



Traceability software: samples and processes (OVTS)

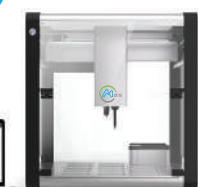
LIS input



Sample



1



**MAIS Robot**

Sample lysis  
RNA/DNA extraction  
PCR plate preparation

2



**VibroCycler**

Real-time PCR

3



**Validation  
of results**

LIS output

Estimated  
time  
96 samples

60 min

1 h 30 min

Total time 96 samples ≤ 2h 30 min

## Other validated systems

### EXTRACTORS

- Nextractor® NX-48S (Genolution)
- Maxwell® 16 (Promega)
- QIAcube (Qiagen)
- QIAsymphony SP (Qiagen)
- MagNA Pure Compact Instrument. Version 1.1.2 (Roche Diagnostics)

### THERMOCYCLERS

- QuantStudio™ 5 Real-Time PCR System (Applied Biosystems)
- CFX96™ Real-Time PCR Detection System (Bio-Rad)
- Rotor-Gene Q (Qiagen)

NEW

| REFERENCE          | DESCRIPTION                | QUANTITY        |
|--------------------|----------------------------|-----------------|
| <b>MAD-003917M</b> | <b>RESPI+ RT-PCR KIT</b>   | <b>100 test</b> |
| MAD-003945M-W      | FLU-COVID PLUS RT-PCR      | 100 test        |
| MAD-003941M-W      | SARS-CoV-2 RT-PCR          | 100 test        |
| MAD-003947M-W      | SARS-CoV-2 Variants RT-PCR | 100 test        |

# Kit based on one-step RT-PCR Multiplex + reverse line blot hybridisation on a membrane. **DNA-Flow technology**



Automatic microarray  
hybridisation with specific  
oligo probes



DNA/RNA extracted  
- Nasopharyngeal / oropharyngeal exudates  
- Bronchoalveolar lavage (BAL)



**EASY TO USE!**  
Lyophilised single-test  
format

## RESPIRATORY FLOW CHIP

The Respiratory Flow CHIP kit can simultaneously detect 13 pathogens: Influenza virus, Adenovirus, Bocavirus, Coronavirus (including SARS-CoV-2), Metapneumovirus, Parainfluenza virus, Respiratory Syncytial Virus (type A and B), Rhinovirus, Enterovirus, *Bordetella pertussis*, *Bordetella parapertussis* and *Mycoplasma pneumoniae*.

In order to prevent contamination with previous PCR products, the mix contains the Uracil-DNA glycosylase enzyme (Cod UNG), which degrades PCR products containing dUTP.

|        |           |          |          |          |           |       |          |  |
|--------|-----------|----------|----------|----------|-----------|-------|----------|--|
| B      | FluA      | PIV-1    | CoV-OC43 |          | RNaseP    | RSV-A | B        |  |
| B      | FluA-H1N1 | PIV-2    | BP       |          | BG        | RSV-B | CoV-229E |  |
| CI-1   | FluA-H3   | PIV-3    | BPP      |          |           | RhV   | CoV-HKU1 |  |
| CI-2   | FluB      | PIV-4    | MP       |          |           | PIV-1 | CoV-NL63 |  |
| RNaseP | MPV       | AdV      | EV       | B        | FluA      | PIV-2 | BPP      |  |
| BG     | RSV-A     | BoV      | CoV-2    | CI-1     | FluA-H1N1 | PIV-3 | MP       |  |
|        | RSV-B     | CoV-229E | SARS     | CI-2     | FluA-H3   | PIV-4 | EV       |  |
|        | RhV       | CoV-HKU1 |          | CoV-OC43 | FluB      | AdV   | CoV-2    |  |
|        | B         | CoV-NL63 |          | BP       | MPV       | BoV   | SARS     |  |

## Full automation



Traceability software: samples and processes (Ovts)

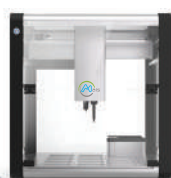
LIS input



Sample



1



**MAIS Robot**  
Sample lysis  
RNA/DNA extraction  
PCR plate preparation

2



**HS12auto**  
Reverse line blot  
hybridisation

3



**Validation  
of results**

LIS output

## Other **validated** systems

### EXTRACTORS

- Nexttractor® NX-48S (Genolution)
- MagNA Pure Compact Instrument. Versión 1.1.2 (Roche Diagnostics)
- QIA Symphony SP (Qiagen)
- NucliSENS EasyMAG (Biomerieux)

### REFERENCE

MAD-003939M-HS

### DESCRIPTION

RESPIRATORY FLOW CHIP KIT

### QUANTITY

24 test



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