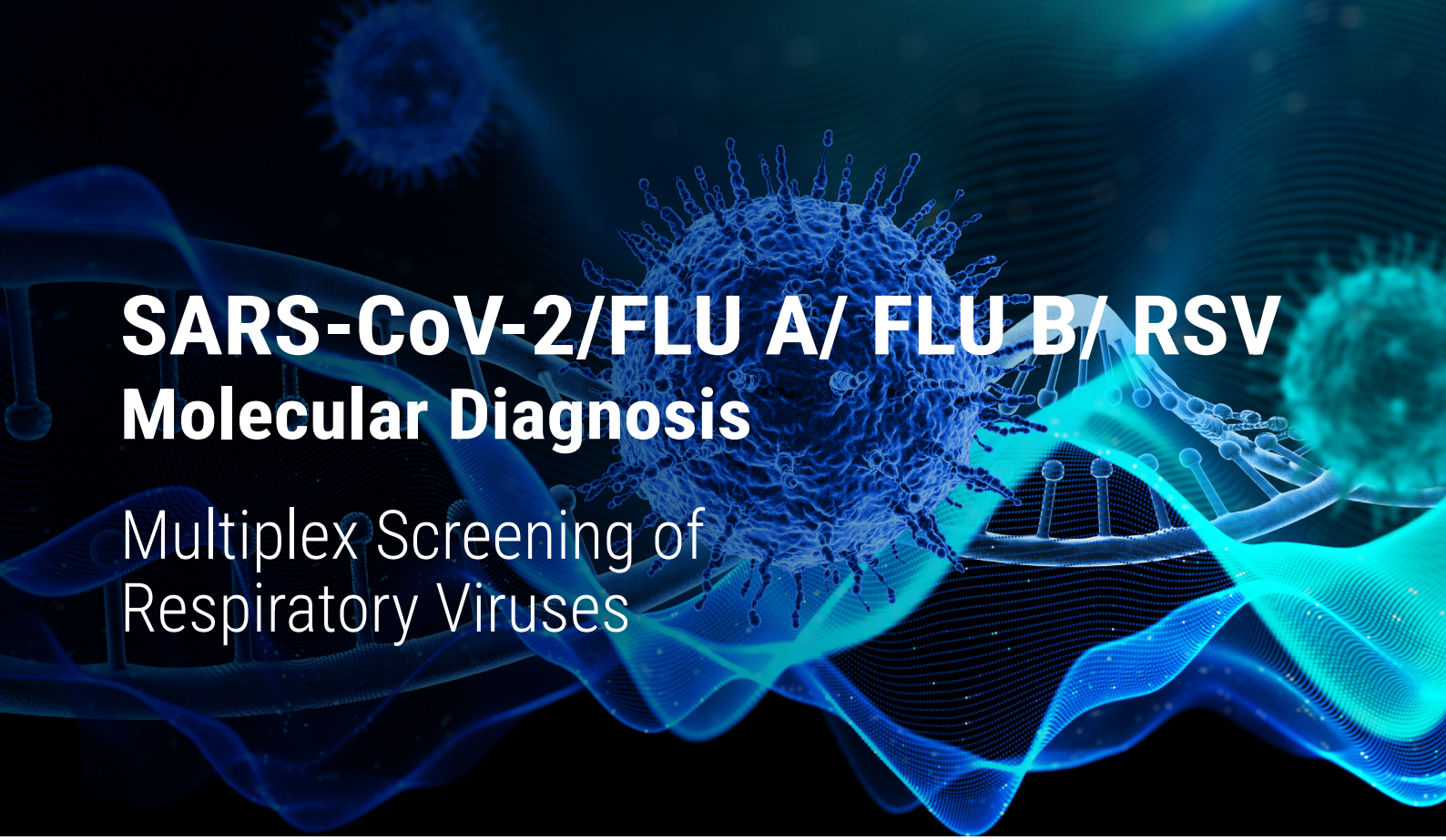

SARS-CoV-2/FLU A/ FLU B/ RSV Molecular Diagnosis

Multiplex Screening of Respiratory Viruses

SARS-CoV-2/FLU A/FLU B/RSV REALTIME PCR KIT

Real-time reverse transcription and amplification of nucleic acids in one step for detection of SARS-CoV-2, Influenza A, Influenza B and RSV in respiratory samples.

- **4 virus Multiplex PCR detection - one single reaction tube** per sample.
- **Endogenous human *RNAse P* control**- for detecting unsuitable sample collection or degradation.
- Suitable for **5-channel qPCR cyclers**: FAM, Quasar 705 (Cy5.5), Cy5, HEX (VIC), Texas Red (ROX).
- Fast and reliable **results in under 2 hours**.
- **Lyophilized** master mix and positive control to ensure stability and reduce transportation costs.
- **Different kit presentations** for greater user convenience: vials and pre-dispensed divisible plates.
- Two SARS-CoV-2 targets in compliance with **international guidelines**: WHO, CDC and ECDC*.
- Fully aligned with **WHO and ECDC diagnostic algorithms**, which recommend initial molecular screening for respiratory viruses as the first step in influenza diagnosis.

Ref. RTPCR021

Ref. RTPCR021-LPD

* World Health Organization, Center for Disease Control Atlanta US and European Center for Disease Control.

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SARS-CoV-2/FLU A/FLU B/RSV
Molecular Diagnosis

CONTENT

Single mix, Reconstitution solution, Positive control and Negative control. The mix includes an internal control for human specimen validation that detect improper sample collection or degradation.

Kit formats:

Ref. RTPCR021 contains 6 glass vials of lyophilized master mix. Reaction tubes are not included.

Ref. RTPCR021-LPD contains caps and 96 x 0.1ml Tear Off 8-Tube Strip Mat with pre-dispensed lyophilized master mix.

APPLICATIONS

Oropharyngeal and nasopharyngeal swab. Tracheal aspirates, bronchoalveolar lavage (BAL) and saliva. The use of saliva sample has been validated only for SARS-CoV-2 detection.

WHY PCR FOR RESPIRATORY DIAGNOSIS?

During **respiratory infection season**, multiple respiratory viruses circulate simultaneously, often with similar clinical symptoms. Molecular diagnostics enable fast and accurate detection, supporting reliable differential diagnosis.

A stepwise molecular approach allows laboratories to combine **multiplex screening** with **Influenza A subtyping**, providing essential epidemiological insight when it matters most.

Ref. RTPCR037-LP-R

TARGETS

	Target	Channel
SARS-CoV-2	***N* gene**	**FAM**
Influenza A	***M* gene**	**HEX/VIC**
Influenza B	***NS1* gene**	**Cy5**
RSV	***L* gene**	**Texas Red/ROX**
Internal control	**Human *RNAse P* gene**	**Q705/Cy5.5**

PERFORMANCE

	Sensitivity	Specificity	No. of samples[c]
SARS-CoV-2	99%	100%	687
InfA	98%	100%	106
InfB	98%	100%	103
RSV	97%	100%	231

ADDITIONAL KITS

When **Influenza A is detected**, the **FLU A SUBTYPING REALTIME PCR KIT (RTPCR037-LP-R)** enables rapid differentiation of key subtypes, **A(H1N1)pdm09**, **A(H3N2)** and **A(H5)**, providing **valuable epidemiological insight to support surveillance and decision-making** during flu season, particularly in periods of intense or early circulation.

- Suitable for **4-channel qPCR cyclers:** 3 subtypes of influenza A and internal control (RNAseP)
- **Lyophilized** master mix and positive control to ensure stability and reduce transportation costs.
- **Sample type:** human nasopharyngeal/oropharyngeal swabs.

INFORMATION AND RELATED PRODUCTS

Description	Reference	Class	Content
SARS-COV-2 / FLU A / FLU B / RSV REALTIME PCR KIT	RTPCR021	CE_{0123} IVDR	96 tests
SARS-COV-2 / FLU A / FLU B / RSV REALTIME PCR KIT	RTPCR021-LPD	CE_{0123} IVDR	96 tests
FLU A SUBTYPING REALTIME PCR KIT	RTPCR037-LP-R	RUO	24 tests
AMPLIRUN® TOTAL SARS-CoV-2/ FluA/FluB/RSV CONTROL (SWAB)	MBTC031-R	CE	10 vials
RESPIRATORY SWAB MATRIX NEGATIVE CONTROL	MC110	-	10 vials

Vircell, S.L. Parque Tecnológico de la Salud, Avicena 8. 18016 Granada, España. info@vircell.com
Vircell Spain, S.L.U. Pol. Ind. Dos de Octubre, Plaza Domínguez Ortiz 1. 18320 Santa Fe, Granada
Delegación Madrid: 913 457 903. Delegación Barcelona: 933 099 530. www.vircell.com

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