

RT-PCR TEST RESULTS REPORT FOR INFLUENZA, RESPIRATORY SYNCYTIAL VIRUS AND SARS-CoV-2

PATIENT'S NAME: TestName TestSurname

ID/PASSPORT: 000000000A

DATE OF BIRTH: 11/11/1990

SAMPLE CODE: CGR000000

TEST NAME: RT-PCR for Influenza, Respiratory Syncytial Virus (RSV) and SARS-CoV-2.

SAMPLE RECEIVED: Nasopharyngeal swab.

OBJETIVO DEL ESTUDIO GENÉTICO:

The objective of this test is to detect by RT-qPCR the specific genetic material of the pathogenic viral strains for Influenza (A and B), Respiratory Syncytial Virus (A and B) and SARS-CoV-2, using the kit **RT-PCR RespiraScreen 1 real time RT-PCR**. The RespiraScreen 1 real time RT-PCR kit contains specific primers and dual-labelled probes for the amplification of RNA (cDNA) of Influenza A/B (M gene/NEP gene), RSV A/B (G gene/G gene), and SARS-CoV-2 (E gene) extracted from a biological sample, together with an internal positive control (IPC) that is detected in the same reaction.

ANALYSIS CARRIED OUT - METHODOLOGY:

1. Obtaining the viral RNA using the following reagent and commercial kit:

- Viral MagBead (Zymo Research)

2. Viral RNA purification using the following automatic platform:

- Fluent Automation Workstation (Tecan)

3. RT-qPCR using the kit RT-PCR RespiraScreen 1 and the detection of the Influenza A/B (M gene/NEP gene), RSV A/B (G gene/G gene), and SARS-CoV-2 (E gene) gene regions:

- QuantStudio 5 Real-Time PCR instrument (Thermofisher)

RESULTS:

1. Influenza:

PCR Test Result for
Influenza A/B

Positive

2. Respiratory Syncytial Virus (RSV):

PCR Test Result for
RSV A/B

Negative

3. SARS-CoV-2:

PCR Test Result for
SARS-CoV-2

Negative

The procedure and the results obtained have been validated by:

Signature:

Name and surname:

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