

## PCR TEST RESULTS REPORT FOR SARS-CoV-2.



**PATIENT'S NAME:** TestName TestSurname

**ID:** 000000000A

**SAMPLE CODE:** TSTTPCRTEST

**TEST NAME:** PCR test for SARS-CoV-2.

**SAMPLE RECEIVED:** Naso and oropharyngeal swab.

### OBJECTIVE OF THE GENETIC STUDY:

The objective of this procedure is to detect by RT-qPCR three specific genes of the SARS-CoV-2 pathogenic viral strain, using the **TaqPath COVID-19 CE-IVD RT-PCR Kit (Thermofisher, USA)**, which simultaneously detects three highly conserved regions (genes encoding **ORF1ab, N Protein, and S Protein**) of the RNA SARS-CoV-2 virus, along with an internal positive control (MS2-IPC) in a single PCR reaction.

### ANALYSIS CARRIED OUT - METHODOLOGY:

**1. Obtaining the viral RNA** using any of the following reagents and commercial kits:

- Viral MagBead (Zymo Research)
- Kit Chemagic Viral DNA/RNA 300 kit H96 (Chemagen Technology-Perkin Elmer)

**2. Viral RNA purification** using one of the following automatic platforms:

- Chemagic 360 Instrument (Perkin Elmer)
- Fluent Automation Workstation (Tecan)

**3. RT-qPCR** using the TaqPath COVID-19 CE-IVD RT-PCR Kit (Thermofisher) and detection of ORF1ab, N Protein and S Protein regions of the SARS-CoV-2 virus in:

- QuantStudio 5 Real-Time PCR instrument (Thermofisher)

### RESULT:

PCR test result for SARS-CoV-2

NEGATIVE

The procedure and the results obtained have been validated by:

Signature:

Name and surname: