

nPLEX SARS-CoV-2

CAT: TAGK01029

Format: 96 reactions

Description

nPLEX SARS-CoV-2 is a multiplex Real-Time PCR kit which allows the detection of SARS-CoV-2 in respiratory samples such as nasopharyngeal, oropharyngeal and nasal swabs.

This kit contains two PCR mixes; the first one includes primers and probes for the simultaneous detection of both N1 region of the Nucleocapsid gene N (Detection of SARS-CoV-2) and human RNase gene RP (internal control). The second PCR mix is a confirmatory assay, in the case of obtaining presumptive positive results with Ct over 35, which contains primers and probes for the detection of the N2 region of the Nucleocapsid gene N from SARS-CoV-2.

Includes

- Multiplex primers and probes for N1 and RP
- Multiplex primers and probe for N2
- Master mix with dUTP for N1 and RP
- Master mix with dUTP for N2
- DNA Polymerase for N1 y RP
- DNA Polymerase for N2
- Mix for 1-step RT-qPCR for N1 y RP
- Mix for 1-step RT-qPCR for N2
- Positive control N1 y RP
- Positive control N2
- Negative control x 2

Storage

- Keep at -20°C, protect from light.

Compatible PCR systems

- AriaMx G8830A Real – Time PCR System
- Stratagene Mx3005P Real – Time PCR System
- Biorad CF96 Touch Deep Well Real – Time PCR System

Technical specifications

Recommended for	Detection of SARS-CoV-2 in nasopharyngeal, oropharyngeal and nasal swab samples.
Intended use	Detection of SARS-CoV-2 by amplification of N1 and N2 regions of Nucleocapsid gene N (N1 for primary detection, N2 for confirmation) and Human RNase P (internal control). Laboratory use only, by properly trained staff.
Channels used for detection	FAM for N1 y N2 ROX for RP
Number of reactions	96
Target	Virus SARS-CoV-2
Time of análisis	2 hours
Analysis of results	Compatible with software TxA COVID-19
Shelf life	1 year