



## Notice – COVID Kit and Equipment- CE marked

### Novel Coronavirus (2019-nCoV) Nucleic Acid Diagnostic kit PCR-Fluorescence Probing

This kit is used for in vitro detection of genes of novel coronavirus (SARS-CoV-2) in nasopharyngeal and oropharyngeal swabs and alveolar lavage samples.

The kit uses proprietary all in one technology thus avoiding staff exposure and eliminating several steps. (One Tube Technology Platform)

- Decrease the operation time by more than 70%
- Ultra-efficiency - The whole extraction/sample preparation process is less than 10 minutes
- Super easy: no heating, washing or high speed centrifuge, reaction happening in one PCR tube at room temperature, no centrifugation
- **No extraction - unique formula of lysis buffer allows rapid lysis and release of target DNA/RNA at room temperature**
- High sensitivity - low specimen input yet achieving excellent results from difficult and low copy targets (interactive system of Lysis Buffer and PCR Mix)

#### Details of packing: kit contains 24 tests

No	Reagent	Specification
1	2019-nCoV-PCR Mix	624 µL / tube x 1
2	2019-nCoV-PCR-Enzyme Mix	96 µL / tube x 1
3	2019-nCoV-PCR Positive Control	500 µL / tube x 1
4	2019-nCoV-PCR Negative Control	500 µL / tube x 1

Additional reagents and consumable supplied for each box of 24 tests:

No	Item	Quantity
1	Rapid enzyme	1 tube
2	Sample Release Reagent	1 tube
3	Swab sticks (sterile) (optional)	24 pcs
4	Sample storage reagent	24 pcs
5	PCR reaction tubes 0.2 mL	24 pcs
6	PCR strips	24 pcs
7	Pipette tips	24 pcs

For manual operation (low volumes) the client needs:

- desktop centrifuge
- desktop vortex mixer
- various models of pipette guns

*If the lab staff prefer to do this manually, the process will look like this: take 20 mcl of material, add 20 mcl of sample release reagent, shake 2-5 times, wait 60 seconds, add 13 mcl of other sample release reagent, then 10 mcl of a mixture of two reagents, centrifuge. Then add 30 mcl PCR Mastermix into reaction tube. Carry out real time PCR.*

This kit works on the following real time PCR proprietary machines: ABI 7500, Life Technologies QuantStudio™ 5, Roche Cobas 480 and Lightcycler 480 I & II.

**Limit of detection after one tube sample processing: 200 copies/ml.**

This kit also works on real time PCR machine, CE –certified that we can provide.

AUTOMATION: the kit manufacturer can provide a machine for very high volume work. CE certified. High volume processing - 96 well plate in 30 minutes.