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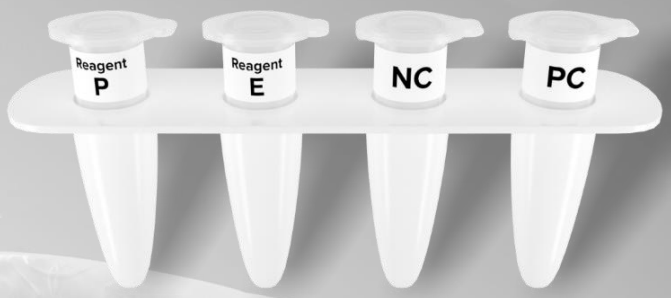

Detection Kit for the SARS-CoV-2 RNA Presence

LifeCase COVID-19

Detection Kit for SARS-CoV-2 RNA Presence in Biological Material Using Real-Time SmartAmp Method is intended for SARS-CoV-2 coronavirus genome RNA extraction from nasopharyngeal/oropharyngeal swabs and sputum from patients.

The Detection Kit includes 4 tubes containing the following reagents:

1. Reagent E, transparent colorless liquid.
2. Reagent P, transparent colorless liquid.
3. PC (positive control sample), transparent colorless liquid.
4. NC (negative control sample), transparent colorless liquid.

Expiry Date

12 months from the production date.
Do not use the expired Detection Kit.

Storage

Store at t = -80^{0}C…-20^{0}C.

How to use the Detection Kit to perform the isothermal amplification reaction:

Before starting the reaction, defrost the reagents on dry ice.

Patient's Sample Preparation

1. Dispense 6 µl from the *Reagent E* tube into each test tube or each amplifier microtube.
2. Mix 10 µl of the RNA extracted from the patient sample with 4 µl from the *Reagent P* tube.
3. Add a mixed sample (14 µl) to each test tube with *Reagent E*.

Positive Control (PC) Preparation

5. Dispense 6 µl from the *Reagent E* tube into each test tube or each amplifier microtube.
6. Mix 10 µl from the PC tube with 4 µl from the *Reagent P* tube.
7. Add a mixed sample (14 µl) to each test tube with *Reagent E*.

Negative Control (NC) Preparation

9. Dispense 6 µl from the Reagent E tube into each test tube or each amplifier microtube.
10. Mix 10 µl from the NC tube containing DNase/RNase-Free Distilled Water with 4 µl from the Reagent P tube.
11. Add a mixed sample (14 µl) to each test tube with Reagent E.

Perform an incubation reaction at 67°C for 25 minutes.