

BEC SARS-CoV-2 RT-LAMP SYSTEM

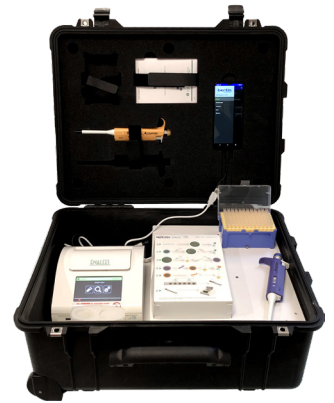


Rapid field test for genome detection of SARS-CoV-2 virus

- Portative mobile system
- Versatile: for human & environmental samples
- Results in less than 30 minutes
- Amplification of 2 targets

BEC SARS-CoV-2 RT-LAMP system

BEC SARS-CoV-2 RT-LAMP system is designed for the **rapid detection of SARS-CoV-2** genome on the field. It is composed of reagent kits and a dedicated reading instrument. The tests have been developed by **Bertin Technologies and Enalees** to allow a **fast and easy molecular testing solution** during Covid-19 pandemic. In **less than 30 minutes**, the operator will be able to test 2 samples. Two types of tests are available: one for **human samples** and one for **environmental samples** such as air or surface samples. Thanks to its portability, the system offers flexibility to the operators who can run it directly on site making it suitable for **Point of Care diagnosis** in settings where large molecular analysis platforms are not accessible. The environmental tests have a broad field of application as they can be used to monitor the virus in **any location open to public** such as airports, cruise ships, hallways, offices...



Applications



Human research

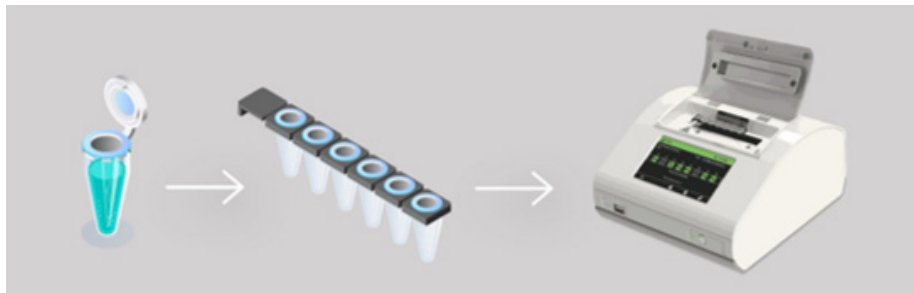


Air sample test



Decontamination monitoring

Technology & Process



Lysis of viral capsid + RNA extraction

Reverse transcription

Amplification of 2 target genes



2 samples x 5 minutes



signal amplification & detection: 5-20 min



Technical features

BEC SARS-CoV-2 RT-LAMP KIT for human samples (cat# P05302)

- 10 tests, as 5 sets of 2 tests
- Ready to use components
- Internal control: human RNaseP gene
- Status: Research Use Only, validated for human diagnostic testing by [French National Reference Center](#)

BEC SARS-CoV-2 RT-LAMP KIT for environmental samples (cat# P05302)

- 10 tests, as 5 sets of 2 tests
- Ready to use components
- Internal control: non natural DNA
- Status: Research Use Only

BEC FIELD READER PACK

- BEC incubator reader (power supply AND battery)
- Smartphone with BEC app
- 1x25 µL micro pipette
- 1x100 µL micro pipette
- 1 box of filter tips
- Hard sample rack
- 1 container for sharp pointed or cutting objects, and infectious medical waste
- Heavy duty case

The test uses licenses related to patents WO 00/28082, WO 01/34790, WO 01/77317, WO 02/24902

Discover Bertin's solutions



Coriolis Air Samplers



Bioreagent Biomarker detection



Precellys Sample preparation