Life Real

COVID-19 Nucleic Acid Detection Solution

☑ 1.5 hrs： from sampling to report

☑ 2 mins： manual sample operation

☑ 10 mins： training to the medical staff
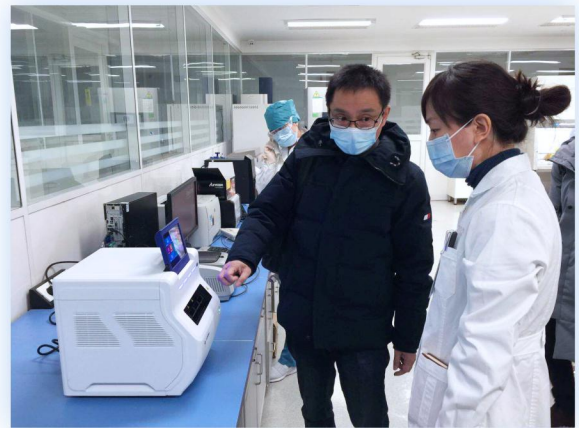
CE IVD

Principle

The kit is used to qualitatively detect the S gene and N gene of the new coronavirus from the suspected cases of pneumonitis, patients with suspected clustering cases, and other kinds of pharyngeal swabs and sputum samples from patients undergoing diagnosis or differential diagnosis of new coronavirus infection.

The samples could be the throat swab, sputum, alveolar lavage fluid or stool.

Application

At present, the Automatic Nucleic Acids Detection System and supporting detection kits are used in CDCs and some clinical units in China.

There has more than 30 sets of the system installed in the hospitals and clinical units. And LifeReal supplies around 5000 tests per day.

Innovation advantages

Safe
The sealed kit to prevent the detection of pathogen leakage, reduce contact with infectious samples, and protect medical personnel

Simple
manual sample operation in 2 minutes, training to the medical staff just in 10 minutes

Convenient
No PCR laboratory is required, no contamination

High Sensitivity
critical state multiphase microfluidic technology is used to effectively improve the efficiency of nucleic acid extraction, and the sensitivity is high up to 50 virus copies.
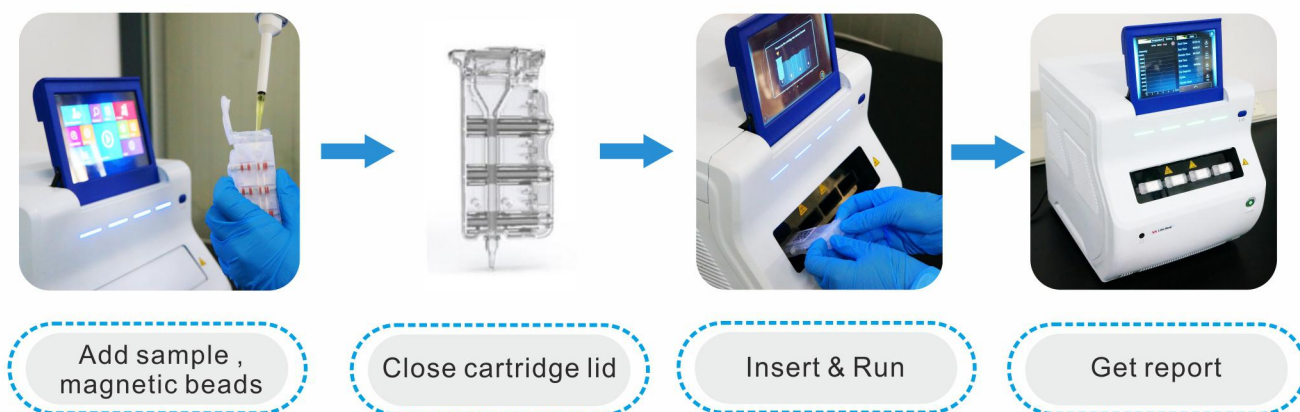
▶ Validated clincial data by Chinese authoritative institute

（January 24, 2020-February 02, 2020）

Sample type	Specimen quantity		
	Positive	Negative	Total
Throat swab	27	106	133
Nasal swab	4	5	9
Sputum	7	16	23
Lung Lavage fluid	3	0	3
Nucleic acid extract	1	0	1
Total	42	127	169

The test results of the instrument's verification kit are in complete agreement with the confirmed and excluded results from the clinical diagnosis.

The sensitivity, specificity, and total coincidence rate of the kit detection method and the clinical diagnosis method are all 100%, indicating that the consistency of the two detection methods is good.

▶ Workflow

Add sample , magnetic beads

Close cartridge lid

Insert & Run

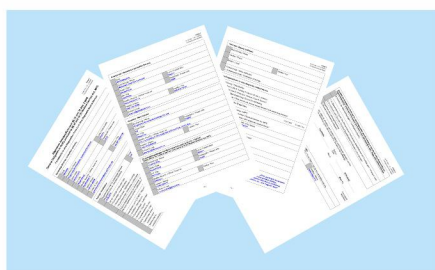Get report

▶ Judgment result

Pos.

Neg.

▶ GMP Workshop

GMP standard class 100,000 clean workshop

automatic filling production line

ISO13485 certified

CE IVD Certification

AIGS in German：
DECA5919352019-RFs

Patents

AIGS in German：DE202018006254
AIGS in China：
2017 1 0428548. X, 2017 1 0429121. 1, 2017 1 0863330. 7

Order No.& specifications

AIGS Instrument

Model/Order No.	LifeReady 1000
Sample capacity	4 Samples
Block temperature range	40℃-99. 9℃
Block temperature fluctuation	≤±0. 5℃
Block temperature accuracy	≤0. 5℃
Temperature display accuracy	0. 1℃
Dyes	F1：FAM,SYBR Green I;F2:HEX,VIC; F3：TAMRA,CY3;F4：TEX RED,ROX;F5：Cy5
Data connector	USB,WiFi
Size	380mm*305mm*343mm

Detection Kit

Name	Storage	Package	Order. No	Note
COVID-19 nucleic acid POCT detection kit (AIGS real-time fluorescent PCR method)	2-8℃	24T	C0011-E	AIGS-LifeReady 1000
COVID-19 nucleic acid detection kit(Real-time fluorescent PCR method)	-20℃	96T	C0011-b	Traditional realtime PCR machine

Life Real

explores the
reality of the life!

Website

Hangzhou Lifereal Biotechnology Co., Ltd.

Email: overseas1@lifereal.com.cn
overseas2@lifereal.com.cn
Address: 1st&2nd Floor of Building 4 and 1st floor of Building 3,
No.21 Futai Road, Zhongtai street, Yuhang district, Hangzhou, China
☎:+86-571-89170228-8033 🌐 http://www.lifereal.com.cn/en/