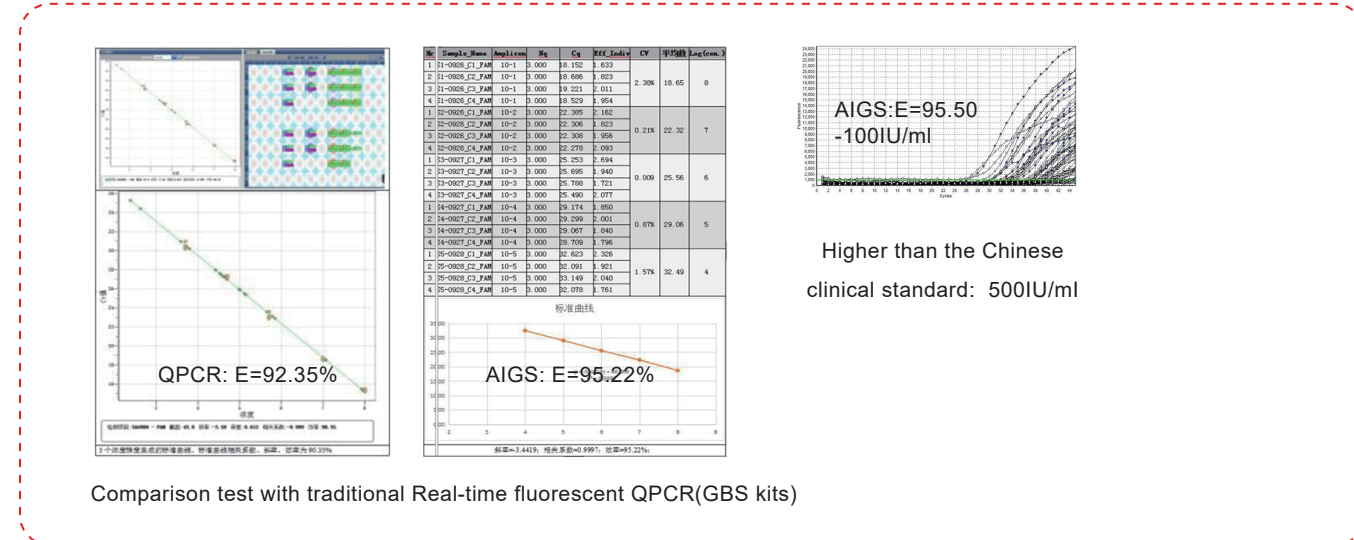
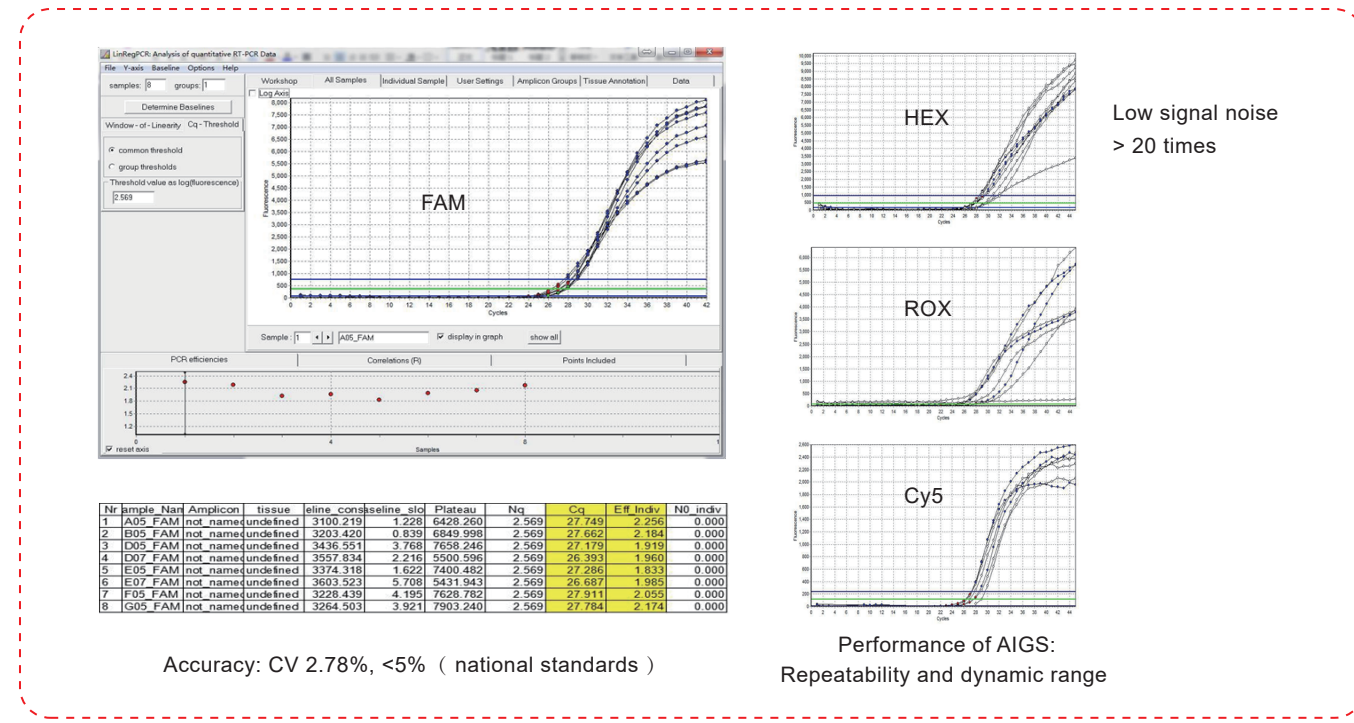


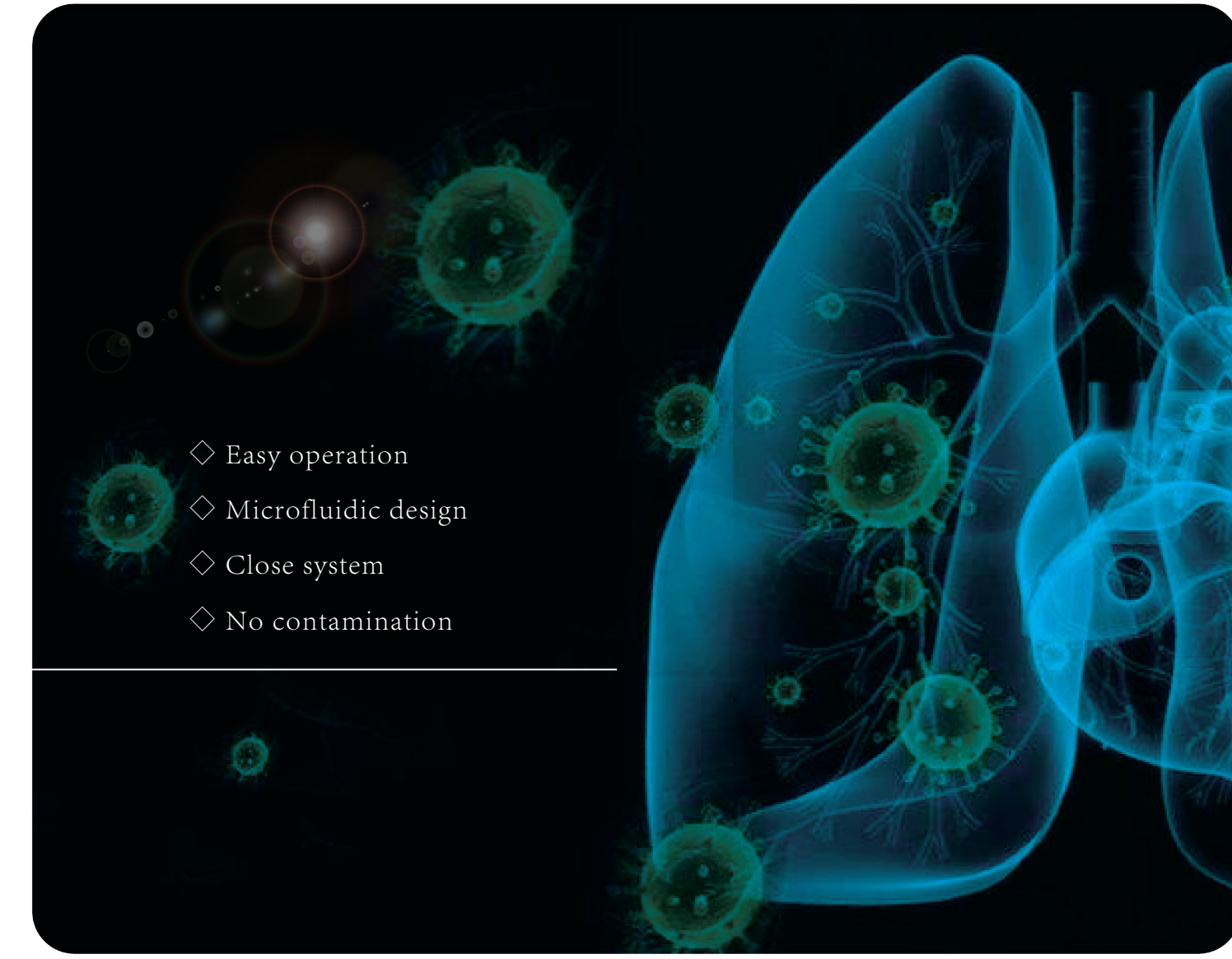
AUTOMATIC INTEGRATED GENE DETECTION SYSTEM(AIGS)

INSTRUMENT PARAMETER

Automatic Integrated Gene Detection System(AIGS)



Items	Parameters
Sample Capacity	1 unit processes 4 samples independently
Dynamic range	1-10 ¹⁰ copies
Block temperature range	40 - 99.9°C
Block temperature fluctuation	≤±0.5°C
Block temperature accuracy	≤±0.5°C
Temperature display resolution	0.1°C
Block ramping rate	4°C /S
Fluorochrome/dye(Channel 1)	FAM,SYBRGreen I
Fluorochrome/dye (Channel 2)	HEX,VIC
Fluorochrome/dye (Channel 3)	TAMRA,CY3
Fluorochrome/dye (Channel 4)	TEX RED,ROX
Fluorochrome/dye (Channel 5)	CY5
Fluorescence detection repeatability	Cv value ≤ 3%
Fluorescence detection accuracy	≤ ±5%
Fluorescence detection time	≤ 5s
Input power	AC100 - 240V, 50 - 60Hz 350W
Signal port	USB, Wi-Fi
Dimension	380mm*305mm*343mm



Tellgen Corp (stock code: 300642) is a listed company specializing in the development and manufacture of high-end in vitro diagnostic products. The company was founded in 2003 and headquartered in Shanghai Zhangjiang Hi-Tech Park. Tellgen Life focuses on the tumor detection and develops products for tumor full-scale detection such as early cancer screening, auxiliary diagnosis, personalized medicine, and prognosis judgment. The company is the first to launch a automated high-throughput immunoassay system (TESMI) based on flowcytometry fluorescence technology, with industry-leading detection speed. Tellgen corporation has developed a number of novel technologies based on internal innovation. These include high-throughput flowcytometry fluorescence hybridization, high-throughput immunofluorescence, multiple fluorescent PCR, spectrometry detection and chemiluminescence immunoassay. Constructed multiple product series with the main application directions of tumor full detection, reproductive health, autoimmunity, pathogen infection, heart disease markers, and DNA methylation.

SARS-CoV-2 Nucleic acid detection kit

(Based on Cartridge Real-Time PCR platform)

Tellgen will always adhere to the R & D philosophy of "learning global technology knowledge & basing on local innovation and creation", Tellgen life strives to become an influential company in the field of international life science and contribute to human health.

Note: Comparison of AIGS and Manual Magnetic Bead Extraction, PCR Detection using HBV National Quantitative Standards



AIGS instrument passed TUV CE_IVD test EN ISO 13485:2016.

CE registration No.: NL-CA002-2022-73250

ISO 13485:2016 registration No.: SX 2183279-1

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DEEPER UNDERSTANDING OF LIFE

SARS-COV-2 NUCLEIC ACID DETECTION KIT (BASED ON CARTRIDGE REAL-TIME PCR PLATFORM)

The kit for the in vitro quantitative determination of dual-target N gene for SARS-CoV-2 in human throat swab and sputum to aid in the management of patients with Corona Virus Disease -2019 (COVID-19) suspected case, suspected clustering cases and others who need a diagnosis or identification of SARS-CoV-2 infections.

SPECIMEN TYPE Human nasopharyngeal and oropharyngeal swab	DETECTION GENOTYPE ✓ Two different target fragments of N gene ✓ N gene and ORF1ab gene	PRODUCT SPECIFICATIONS 24 tests/box
MATERIAL PROVIDED Independent packaging	SPECIMEN COLLECTION AND HANDING Store at 2~8℃ for 72 hours, at -20℃ for 7 days, or at -70℃ or lower for 12 months	

AUTOMATIC INTEGRATED GENE DETECTION SYSTEM (AIGS)

- ✓ A fully integrated gene extraction and analysis system
- ✓ The close system ensures easy operation without a PCR lab.
- ✓ The preassembled kits using the microfluidic technology guarantee the instant detection by adding the sample to the kit without need of preparing the reagents.
- ✓ It combines the automatic nucleic acid extraction, fast PCR detection and direct report.



TEST PROCEDURE



INTERPRETATION OF RESULTS

TEST RESULT	INTERPRETATION
Positive Result	Target RNA detected in sample
Negative Result	Target RNA not detected in sample, and Internal reference test meets acceptance criteria
Invalid Result	Internal reference test not meets acceptance criteria, Not sure whether the target RNA in the sample
No Results Show	Detection system did not collect enough data

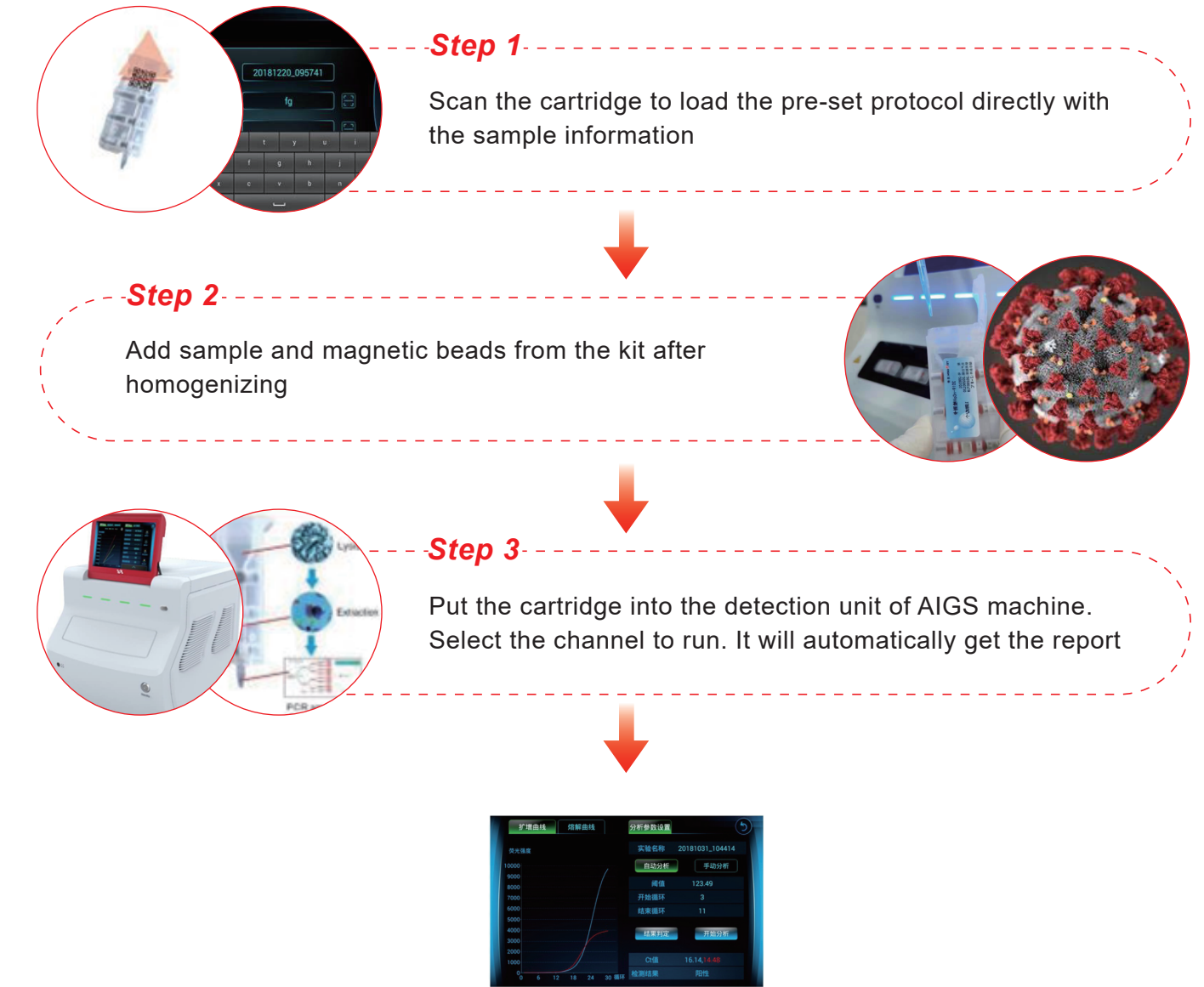
ADVANTAGE OF SYSTEM A

- ◇ Break through the restrictions of traditional PCR testing on laboratory and personnel qualifications, and can be used near the bed or any open space.
- ◇ The instrument is small and easy to operate. "Sample in, Result out".
- ◇ Fully automatic and fully enclosed, 0 contamination, maximum protection to the environment and laboratory personnel.
- ◇ Samples are inspected on the spot, and the 4 cartridges run independently, with results in about an hour.

ADVANTAGE OF PRODUCT B

- ◇ The human β -actin gene was set as an internal reference for sample collection, nucleic acid extraction, and PCR amplification for overall quality control.

Automatic Integrated Gene Detection System(AIGS)



- 0** contamination
- 1** hour for the nucleic acid extraction and PCR detection
- 2** mins manual operation time
- 3** targets test in the same unit
- 4** individual detection units
- 5** types of fluorescence to choose