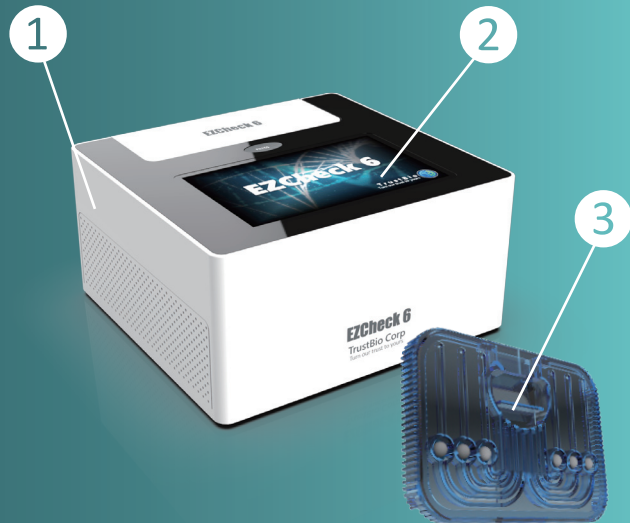


EZCheck 6 is an innovative and advanced molecular detection system that utilizes the exclusive eLAMP (enhanced Loop-mediated isothermal amplification) nucleic acid amplification technology, patented microfluidic cartridges, and lyophilized reagents.

With just 15 minutes, EZCheck 6 iso can complete nucleic acid molecule amplification testing. It can simultaneously detect up to 6 nucleic acid targets, offering a compact design and a user-friendly interface. This makes nucleic acid testing timely and effective in settings such as hospitals, clinics, factories, fieldwork, and home use.

COMPOSITION OF EZCheck 6



- ① Fluorescence Reader
- ② Intuitive Software
- ③ Microfluidic Cartridges

*For inquiries or partnership opportunities,
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EZCheck 6

Advanced Microfluidic-based Molecular Point-of-Care
Testing (POCT) Solutions

Test anywhere, anytime for anyone



- Point-of-care testing (POCT)
- Patented microfluidic cartridge
- Multiplex: detect up to 6 targets per test
- Freeze-dried reagents
- Obtain results within 15 mins detection time for eLAMP
- Data security & management by RFID
- 7" touch screen



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Features

1

Innovative eLAMP Technology

Enables highly efficient and rapid nucleic acid amplification. This technology provides exceptional sensitivity and specificity.

2

Rapid Results in 15 Minutes

One of the standout features of EZCheck 6 iso is its speed. It can deliver results within just 15 minutes, making it ideal for scenarios where quick decision-making is crucial, such as point-of-care testing in healthcare facilities or on-site environmental monitoring.



3

Microfluidic Cartridges

Precision-engineered for sample loading, mixing, and processing. These cartridges optimize reaction conditions, ensuring consistent and reliable results while minimizing the risk of contamination.

4

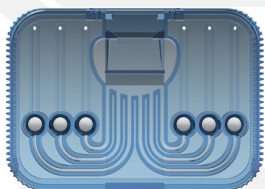
Lyophilized Reagents

Lyophilization enhances the stability and long shelf-life of reagents, reducing the need for cold storage and transportation.

5

Simultaneous Detection of Multiple Targets

EZCheck 6 iso has the capability to simultaneously detect multiple (up to 6) nucleic acid targets in a single run.



6

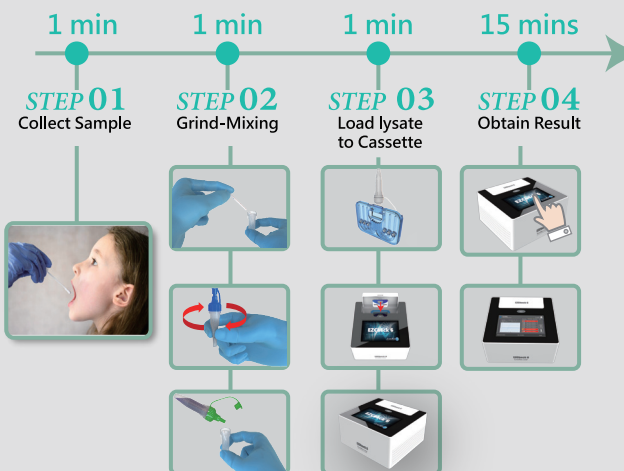
Compact Design

The system boasts a compact and ergonomic design, making it highly portable and easy to transport.



Operational Procedures

Easy four (4) steps to complete the whole process. There are no special lab tools required that allows any inexperienced to complete the nucleic acid tests with only 3 minutes hand-on time.



Product Comparison



	EZCheck 6	Standard Lab Test	Rapid Test	Other Isothermal Amplification
Methodology	Microfluidics Based LAMP	PCR, RT-qPCR	Antigen/Antibody Test	LAMP
Sample Types	Plasma/Serum/ Swab/Saliva/Stool/ Urine	Plasma/Serum/ Swab	Swab/Whole blood	Swab
Targets	Detect three nucleic acid targets simultaneously	Nucleic Acids/ multiplex	Antigen/Antibody	One Nucleic Acid/tube
Extraction	X	V (30 mins-90 mins)	X	Required
Detection Time	5-15 mins	>90 mins	15 mins	30 mins
Analyzer/Size	Compact	Benchtop	Not required	Benchtop
Accuracy/ Sensitivity	High/High	High/High	High/ Low to Middle	High/High
Qualitative/ Quantitative	Qualitative/Semi-Quantitative	Quantitative	Qualitative	Qualitative
Limit of Detection	100-1,000 copies/rxn depending on kit	5-500 copies/rxn	10,000-100,000 copies/rxn	100-5,000 copies/rxn
Transport/ Storage Condition	Room Temp.	Frozen (-20°C)	Room Temp.	Frozen (-20°C)



Product Specification

Specification	
Sample Type	Nasal / Throat swabs, Saliva, Plasma, Serum, Stool, Urine
Detection Method	Nucleic Acid eLAMP PCR
Time to Results	15 minutes
Sensitivity	1,000 times higher than antigen tests
Targets Detected	Up to 6 targets in one test
Preprocessing Time	2 minutes
Portability	Handheld, lightweight design
Weight	Cartridge: 13g, Analyzer: ~1.5kg
Display	7" Touch Panel
Application	Veterinary clinics, medical facilities, at-field, and home care
Data Management & Security	RFID
Quantification	Qualitative and semi-quantitative
Compliance	ISO 13485 and CE certified



Ordering Info

Cat#	Item	Model	Description
IN003004	EZCheck 6 Analyzer	Iso	The EZCheck 6 fluorescence analyzer is designed to use with the EZCheck 6 VF microfluidic cartridge for nucleic acid amplification and detection.
IN003005	EZCheck 6 Real-Time PCR System	Duo/ Tetra	The EZCheck 6 Real-Time PCR System is designed to use with the EZCheck 6 VF microfluidic cartridge for real-time quantitative PCR detection.
-	Customization Service for EZCheck reagent cartridge	-	We offer customized reagent design and OEM/ODM services. For more details, please contact the TrustBio team.