



EZCheck HC Vet

Microfluidic Based Nucleic Acid Testing Platform

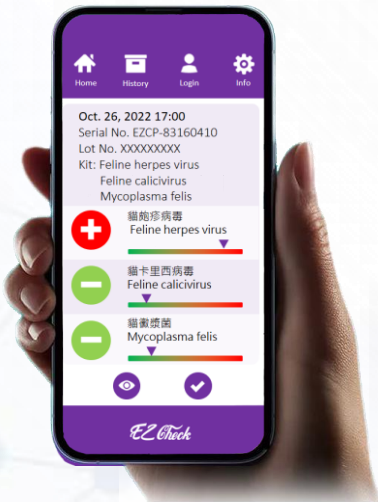
FAST

ACCURATE

MULTI-TARGETS

AFFORDABLE

Multi-targeted molecular point-of-care system built on TrustBio's proprietary microfluidic eLAMP technology, delivers simple, fast and accurate results within 15 minutes for various veterinary tests.



The EZCheck Microfluidic Nucleic Acid Testing Platform comprises a microfluidic detection cassette and a fluorescence analyzer. The unique microfluidic patent design and eLAMP amplification technology enable faster, more accurate molecular detection capable of simultaneously detecting multiple DNA/RNA targets. Even inexperienced users can easily operate it with the help of guided instructions on the app to complete the test correctly. Compared to most current molecular detection methods used in veterinary tests, which require sample treatment and analysis in a laboratory, the EZCheck platform offers exceptional advantages in terms of timeliness, transportation cost, and reduced risk of sample degradation. The EZCheck system can perform nucleic acid detection at any location.

Features of EZCheck Platform

EZCheck microfluidic cassette



1

Easy Operation

4 steps to complete the assay

2

Quick Results

Obtain results in 15 minutes

3

Multi-targets

Detect up to 3 targets per sample

4

High Sensitivity

Compared to antigen/antibody rapid screening, nucleic acid testing has a sensitivity 1000 times higher.

5

Sample in, Result out

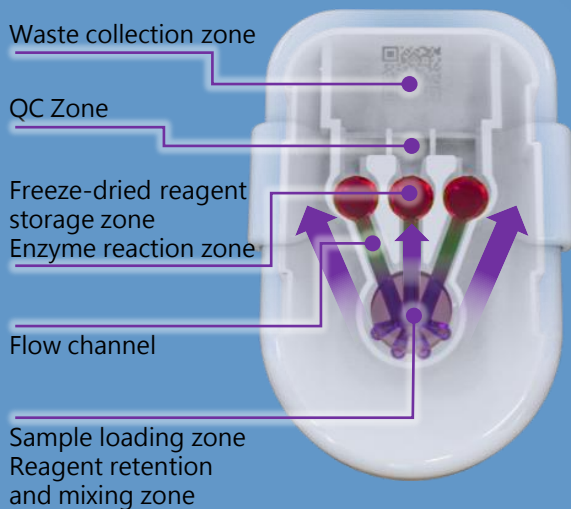
EZCheck nucleic acid analyzer

Leading Technologies

Microfluidic eLAMP technology enables high-efficient, reliable and low-cost multi-targeted DNA / RNA detection, comparing to the complex and expensive traditional Taqman qPCR.

Innovative microfluidic cassette design enables the manipulation of fluids with high precision, reducing the risk of errors and improving the reproducibility of results.

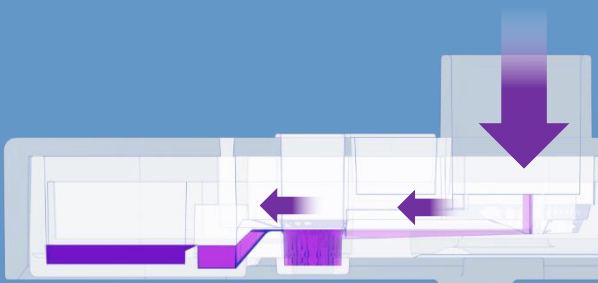
Pre-loaded reagent cassettes are stored and shipped at room temperature, unlike the traditional PCR reagents requiring shipping and storage at -20°C .



The patented design of EZCheck microfluidic cassette utilizes unique potential difference conversion, channel gradient design, and capillary action to guide and control the flow and mixing of tiny liquids for fast and efficient biological detection.

The microfluidic cassette design includes sample loading zone, reagent retention and mixing zone, flow channel zone, freeze-dried reagent storage zone, enzyme reaction zone, quality control zone, waste liquid collection zone, etc. The preloaded and closed-loop design of reagents significantly reduces reaction time, minimizes contamination, and enhances detection efficiency.

The EZCheck microfluidic cassette features a multi-channel design that allows for simultaneous detection of multiple nucleic acid targets for a single sample, thereby improving detection efficiency. The precision control of liquid volume, flow rate, and mixing ratio also enhance detection accuracy and sensitivity.

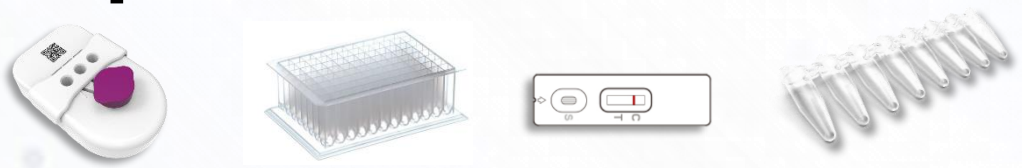


Operational Procedures

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 POCT	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-1h30mins)	X	required
Detection Time	5-15 mins	>90 mins	15 mins	30 mins
Analyzer/price	Palm-sized reader/Low	Benchtop/High Price	Not required	Bench-top/Low
Accuracy/Sensitivity	High/High	High/High	High/Low to Middle	High/High
Qualitative/Quantitative	Qualitative/Semi-Quantitative	Quantitative	Qualitative	Qualitative
Limit of Detection	100-1000 copies/rxn depending & protocol	5-500 copies/rxn	10,000-100,000 copies/rxn	100-5000 copies/rxn
Transport/Storage Condition	Room Temp.	Frozen(-20°C)	Room Temp.	Frozen(-20°C)
Price	Low to Middle	High	Low	Low to Middle
Pros/Cons	Fast, High accuracy, Compact	High cost, High accuracy, Professional training required	Fast, Low sensitivity, Low cost	Fast, Require professional operation

Ordering Info

I. EZCheck HC VET Analyzer



Cat. #	Product Name	Package	Description
IN003001	EZCheck HC Vet	1 pc	Microfluidic based molecular test analyzer

II. EZCheck Test Kit

- New testing items will be available soon



Canine



Type	Name	Cat. #	Target	Package
3 in 1	EZCheck Cassette Canine Diarrhea Panel	RE003006	Canine coronavirus Canine parvovirus Giardia	4 cassettes/kit
3 in 1	EZCheck Cassette Canine Blood Disorder Panel	RE003007	Babesia spp. Anaplasma spp. Haemobartonella canis	4 cassettes/kit
3 in 1	EZCheck Cassette Canine Respiratory Infection Panel	RE003008	Canine distemper virus Canine adenovirus Canine parainfluenza virus	4 cassettes/kit
3 in 1	EZCheck Cassette Canine Tick-Borne Disease Panel 1	RE003013	Babesia canis Babesia gibsoni Hepatozoon spp.	4 cassettes/kit
3 in 1	EZCheck Cassette Canine Tick-Borne Disease Panel 2	RE003014	Ehrlichia canis Anaplasma platys Rickettsia rickettsii	4 cassettes/kit
Single	EZCheck Cassette Canine coronavirus	RE003016	Canine coronavirus	4 cassettes/kit
Single	EZCheck Cassette Canine parvovirus	RE003017	Canine parvovirus	4 cassettes/kit
Single	EZCheck Cassette Babsia spp.	RE003018	Babsia spp.	4 cassettes/kit
Single	EZCheck Cassette Anaplasma spp.	RE003019	Anaplasma spp.	4 cassettes/kit
Single	EZCheck Cassette Haemobartonella canis	RE003020	Haemobartonella canis	4 cassettes/kit
Single	EZCheck Cassette Canine distemper virus	RE003021	Canine distemper virus	4 cassettes/kit
Single	EZCheck Cassette Canine adenovirus	RE003022	Canine adenovirus	4 cassettes/kit
Single	EZCheck Cassette Canine parainfluenza virus	RE003023	Canine parainfluenza virus	4 cassettes/kit
Single	EZCheck Cassette Feline parvovirus	RE003024	Feline parvovirus	4 cassettes/kit
Single	EZCheck Cassette Borrelia burgdorferi	RE003039	Borrelia burgdorferi	4 cassettes/kit
Single	EZCheck Cassette Leptospira interrogans	RE003041	Leptospira interrogans	4 cassettes/kit
Single	EZCheck Cassette Babesia canis	RE003042	Babesia canis	4 cassettes/kit
Single	EZCheck Cassette Babesia gibsoni	RE003043	Babesia gibsoni	4 cassettes/kit
Single	EZCheck Cassette Hepatozoon spp.	RE003044	Hepatozoon spp.	4 cassettes/kit
Single	EZCheck Cassette Ehrlichia canis	RE003045	Ehrlichia canis	4 cassettes/kit
Single	EZCheck Cassette Anaplasma platys	RE003046	Anaplasma platys	4 cassettes/kit
Single	EZCheck Cassette Rickettsia rickettsii	RE003047	Rickettsia rickettsii	4 cassettes/kit

Ordering Info

Feline

Type	Name	Cat. #	Target	Package
3 in 1	EZCheck Cassette Feline Diarrhea Panel	RE003009	Feline coronavirus Feline parvovirus Giardia	4 cassettes/kit
3 in 1	EZCheck Cassette Feline Respiratory Infection Panel	RE003010	Feline herpesvirus Feline calicivirus Mycoplasma felis	4 cassettes/kit
Single	EZCheck Cassette Feline coronavirus	RE003026	Feline coronavirus	4 cassettes/kit
Single	EZCheck Cassette Feline leukemia virus	RE003027	Feline leukemia virus	4 cassettes/kit
Single	EZCheck Cassette Feline herpes virus	RE003028	Feline herpes virus	4 cassettes/kit
Single	EZCheck Cassette Feline calicivirus	RE003029	Feline calicivirus	4 cassettes/kit
Single	EZCheck Cassette Mycoplasma felis	RE003030	Mycoplasma felis	4 cassettes/kit

Canine & Feline

Type	Name	Cat. #	Target	Package
Single	EZCheck Cassette Dirofilaria immitis	RE003025	Dirofilaria immitis	4 cassettes/kit
Single	EZCheck Cassette Salmonella spp.	RE003032	Salmonella spp.	4 cassettes/kit
Single	EZCheck Cassette Toxoplasma gondii	RE003033	Toxoplasma gondii	4 cassettes/kit
Single	EZCheck Cassette Giardia	RE003034	Giardia duodenalis	4 cassettes/kit

Bird

Type	Name	Cat. #	Target	Package
3 in 1	EZCheck Cassette Feather Disease/PDD	RE003015	Avian polyomavirus Beak and feather disease virus Avian bornavirus	4cassettes/kit
Single	EZCheck Cassette Avian polyomavirus	RE003048	Avian polyomavirus	4cassettes/kit
Single	EZCheck Cassette Beak and feather disease virus	RE003049	Beak and feather disease virus	4cassettes/kit
Single	EZCheck Cassette Avian bornavirus	RE003050	Avian bornavirus	4 cassettes/kit

Reptiles

Type	Name	Cat. #	Target	Package
Single	EZCheck Cassette Herpervirus	RE003051	Herpesvirus	4 cassettes/kit
Single	EZCheck Cassette Salmonella spp.	RE003052	Salmonella spp.	4 cassettes/kit
Single	EZCheck Cassette Poxvirus	RE003053	Poxvirus	4 cassettes/kit

Aquatic

Type	Name	Cat. #	Target	Package
Single	EZCheck Cassette White spot syndrome virus	RE003031	White spot syndrome virus	4 cassettes/kit

