



Human

Molecular POCT



EZCheck 3

www.trustbioo.com

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Molecular POCT

Using exclusive enhanced LAMP amplification technology combined with patented cartridges, it embodies rapid, accurate, and highly sensitive testing

Ultimate Fast

15-minutes Sample to Result

Easy Operation

2-minute hands-on time

Compact & Versatile

Palm-sized, suitable for various settings

Smart & Convenient

Operate and get results via the EZCheck APP to your mobile device

Multi-targets

Detect up to 3 pathogen targets simultaneously in single run



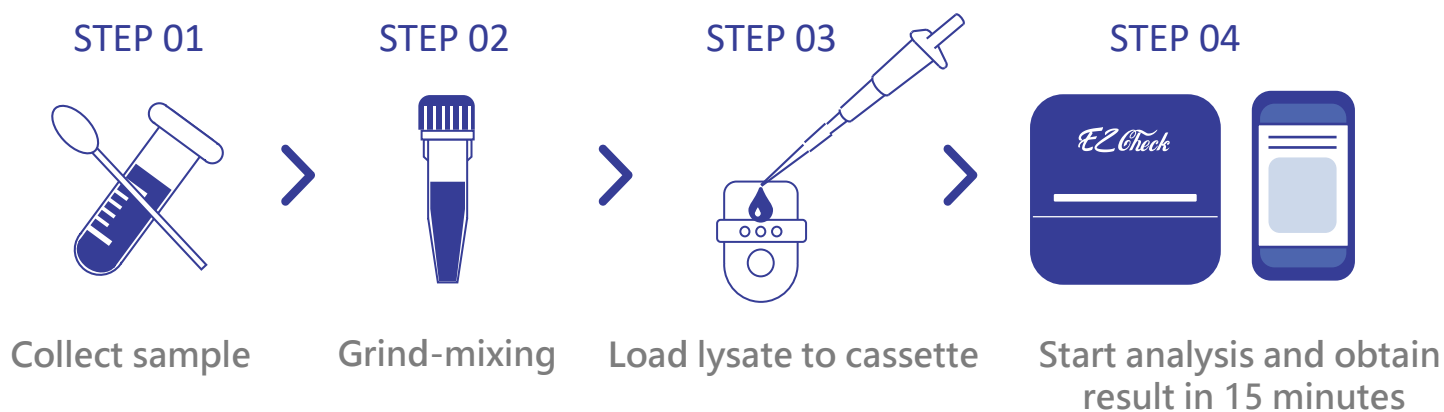
Product Specification

Feature	Specification
Dimensions	130 x 100 x 130 mm (L x W x H)
Weight	Approx. 600 g
Power Adapter	
Input	AC100-240V, 600mA
Output	DC5V, 3A, 15W
Communication Specification	Bluetooth
Thermal Parameters	
Efficiency	>2 °C/sec (between RT and 70 °C)
Stability	±1.0 °C
Accuracy	±1.0 °C
Optical Parameters	
Excitation Light Source	LED light sources
Detect System	CMOS image sensor
Optical Channel & Dye	Channel: FAM, SYBR Green I, etc.
Detecting Parameters	
Throughputs	One sample at a time

Application Field

The platform can be used for decentralized testing (laboratories, hospitals, clinics, doctor's office, ambulance, hotel, limited resource areas, etc.)

Work Flow





Pathogen	Target Genes	Sample Type
SARS-CoV-2 (COVID-19)	RdRp, N, E	Nasopharyngeal swab, saliva, sputum
Influenza virus	HA, NA	Nasopharyngeal swab, throat swab
Mycobacterium tuberculosis	IS6110, hsp65	Sputum, bronchoalveolar lavage
Neisseria gonorrhoeae	porA, opa	Urethral swab, cervical swab, urine
Chlamydia trachomatis	ompA	Urethral swab, cervical swab, urine
Human immunodeficiency virus (HIV)	pol, env	Blood, plasma, serum
Hepatitis B virus	HBsAg, HBV DNA	Blood, serum, plasma
Hepatitis C virus	HCV RNA	Blood, serum, plasma
Streptococcus pneumoniae	lytA	Nasopharyngeal swab, sputum
Haemophilus influenzae	hpd	Nasopharyngeal swab, sputum
Staphylococcus aureus	nuc	Wound swab, blood
Enterococcus spp.	ddl	Stool, urine, blood
Escherichia coli	stx1, stx2	Stool, urine
Salmonella spp.	invA	Stool, blood
Campylobacter spp.	hipO	Stool
Clostridium difficile	tcdA, tcdB	Stool
Candida albicans	ITS	Blood, tissue
Aspergillus fumigatus	18S rRNA	Sputum, tissue
Plasmodium spp. (malaria)	18S rRNA	Blood
Leishmania spp.	ITS	Tissue, blood
Trypanosoma cruzi (Chagas)	kDNA	Blood
Treponema pallidum (syphilis)	tpp47, tpN47	Blood, serum, lesion swab
Herpes simplex virus (HSV)	gB, gD	Lesion swab, blood
Human papillomavirus (HPV)	L1	Cervical swab, genital swab, urine
Trichomonas vaginalis	TVK3, TVK7	Vaginal swab, urine
Yellow fever virus	-	Blood, serum, plasma
Dengue virus	-	Blood, serum, plasma
Neisseria gonorrhoeae	porA, opa	Urethral swab, cervical swab, urine
Chlamydia trachomatis	ompA	Urethral swab, cervical swab, urine

Veterinary

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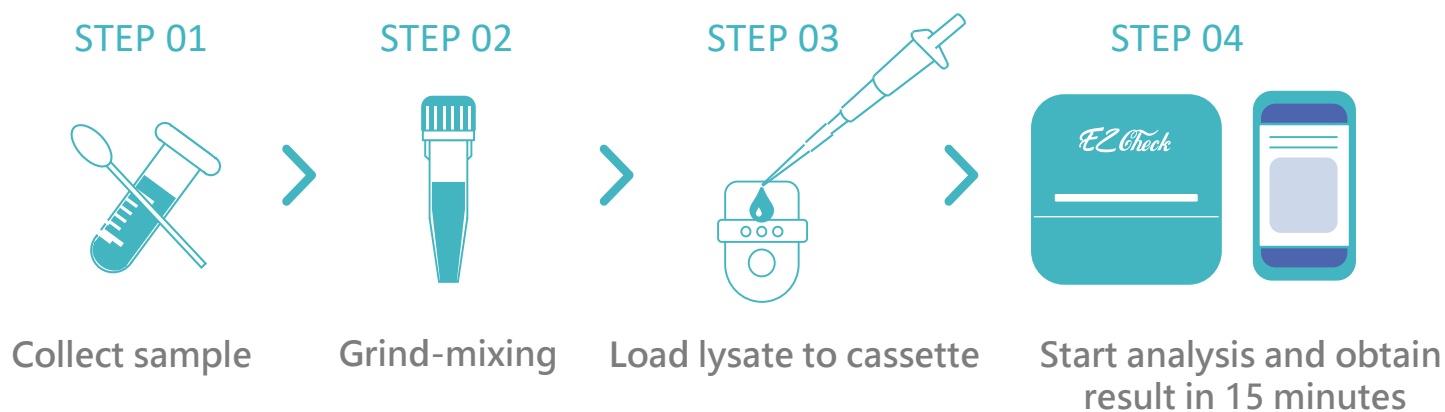
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Work Flow





Detection Kit

Species	Pathogen	Sample Type
Canine	Canine coronavirus, Parvovirus, Giardia duodenalis	Stool
	Babesia spp., Anaplasma spp., Haemobartonella canis	Blood
	Canine distemper virus, Adenovirus, Parainfluenza virus	Blood, Epiphora
	Babesia canis, Babesia gibsoni, Borrelia burgdorferi	Blood
	Ehrlichia canis, Anaplasma platys, Hepatozoon spp.	Blood
	Babesia canis, Babesia gibsoni, Hepatozoon spp.	Blood
	Ehrlichia canis, Anaplasma platys, Rickettsia rickettsii	Blood
	Canine coronavirus	Stool, Epiphora
	Canine parvovirus	Stool
	Babesia spp.	Blood
	Anaplasma spp.	Blood
	Haemobartonella canis	Blood
	Canine distemper virus	Blood, Epiphora
	Canine adenovirus	Epiphora
	Canine parainfluenza virus	Epiphora
	Borrelia burgdorferi	Blood
	Leptospira interrogans	Blood, Tissue
	Babesia canis	Blood
	Babesia gibsoni	Blood
	Hepatozoon spp.	Blood
	Ehrlichia canis	Blood
	Anaplasma platys	Blood
	Rickettsia rickettsii	Blood
Reptiles	Herpervirus	Epiphora
	Salmonella spp.	Stool
	Poxvirus	Epiphora
Rabbit	Encephalitozoon cuniculi	Blood

If the above table does not include the item you want to test, TrustBio provides customized nucleic acid molecular testing kit development services. TrustBio's expert team will evaluate, develop, and validate according to your needs. For details, please contact the TrustBio team.



Species	Pathogen	Sampling Type
Canine & Feline	Dirofilaria immitis, Toxoplasma gondii, Leptospira interrogans	Blood
	Salmonella spp.	Stool
	Toxoplasma gondii	Stool
	Giardia duodenalis	Stool
	Dirofilaria immitis	Blood
Feline	Feline leukemia virus, Feline immunodeficiency virus (Subtype C), Haemobartonella feline	Blood
	Feline coronavirus, Parvovirus, Giardia duodenalis	Stool
	Feline herpesvirus, Calicivirus, Mycoplasma felis	Epiphora
	Feline herpesvirus	Epiphora
	Feline coronavirus	Blood, Stool, Tissue
	Feline parvovirus	Stool
	Feline leukemia virus	Blood
	Feline calicivirus	Epiphora
	Mycoplasma felis	Epiphora
	Trichomonas fetus	Stool
	Feline infectious peritonitis virus	Ascites
Bird	Avian polyomavirus, Beak and feather disease virus, Avian bornavirus	Blood, Stool, Tissue
	Avian polyomavirus	Blood, Stool, Tissue
	Beak and feather disease virus	Blood, Stool, Tissue
	Avian bornavirus	Blood, Stool, Tissue

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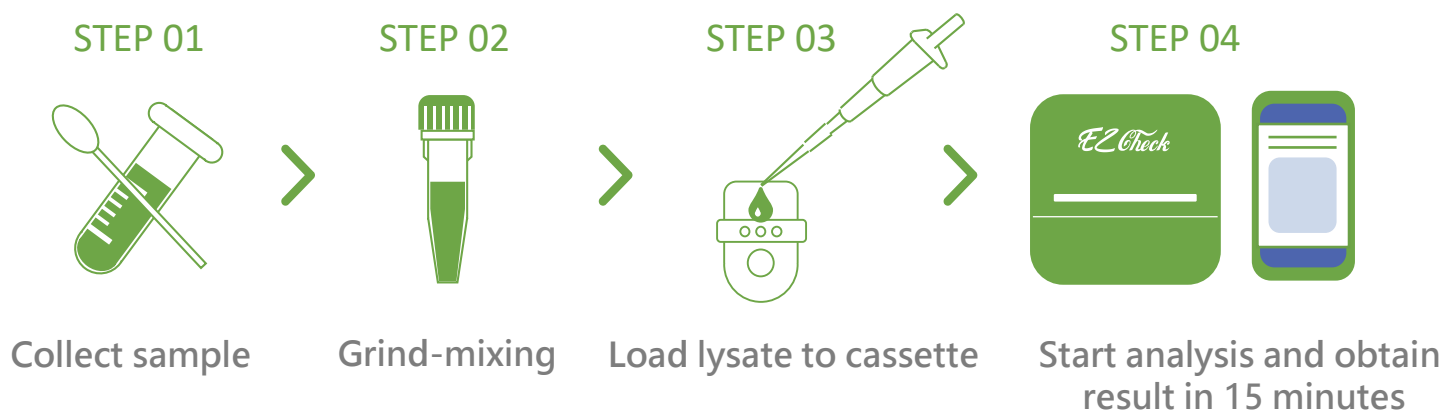
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Work Flow





Detection Kit

Food Type	Pathogen	Target Genes	Sample Type
Meat/Poultry	Salmonella spp.	invA, STM4497	Meat, poultry, feces
	Campylobacter spp.	hipO, glyA	Meat, poultry, feces
	Escherichia coli O157:H7	stx1, stx2, eae	Meat, feces
	Listeria monocytogenes	hly, iap	Meat, poultry, dairy
Fish/Seafood	Vibrio parahaemolyticus	tdh, trh	Seafood, water
	Listeria monocytogenes	hly, iap	Seafood, dairy
	Norovirus	RdRp, capsid	Seafood, water
Dairy	Listeria monocytogenes	hly, iap	Dairy, milk
	Escherichia coli O157:H7	stx1, stx2, eae	Dairy, milk
	Salmonella spp.	invA, STM4497	Dairy, milk
Fruits/Vegetables	Escherichia coli O157:H7	stx1, stx2, eae	Produce, water
	Salmonella spp.	invA, STM4497	Produce, water
	Listeria monocytogenes	hly, iap	Produce, water
	Hepatitis A virus	5' UTR, VP1	Produce, water
	Norovirus	RdRp, capsid	Produce, water
	Cyclospora cayetanensis	18S rRNA	Produce, water
	Cryptosporidium parvum	18S rRNA	Produce, water
	Toxoplasma gondii	B1 gene	Produce, water

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Economic
Animals
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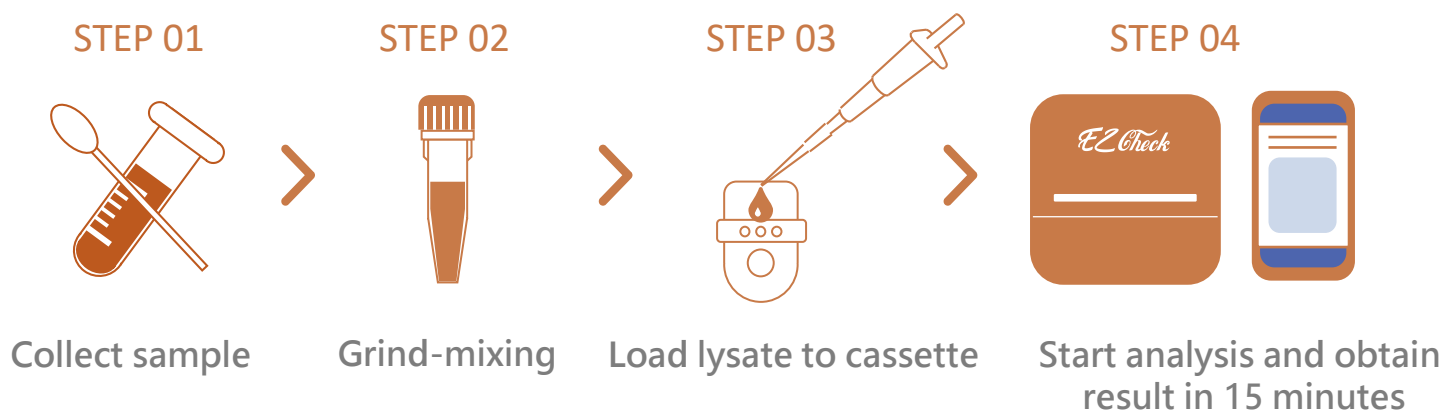
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Species	Pathogen	Sample Type
Cattle	Mycobacterium bovis	Tissue, blood, milk
	Mannheimia haemolytica	Nasal swab, tissue
	Bovine viral diarrhea virus (BVDV)	Serum, tissue, feces
	Escherichia coli O157:H7	Feces, rectal swab
	Neospora caninum	Tissue, placenta
	Trichomonas fetus	Preputial or vaginal washings
Pig	Porcine reproductive and respiratory syndrome virus (PRRSV)	Serum, tissue, feces
	Swine influenza virus (SIV)	Nasal swab, tissue
	Salmonella enterica	Feces, tissue, swab
	Lawsonia intracellularis	Feces, tissue
Poultry	Avian influenza virus (AIV)	Swab, tissue, feces
	Mycoplasma gallisepticum	Tracheal swab, tissue
	Salmonella enteritidis	Feces, cloacal swab
	Campylobacter jejuni	Feces, cloacal swab
Sheep/Goat	Mycoplasma agalactiae	Milk, tissue, swab
	Border disease virus (BDV)	Blood, tissue, swab
	Toxoplasma gondii	Tissue, amniotic fluid
	Chlamydia abortus	Feces, tissue, swab

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TrustBio
Turn our trust to yours

