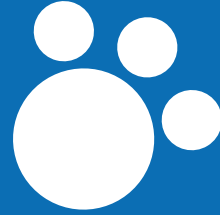


Wondfo | Wondko



WONDKO PORTABLE REAL-TIME PCR



GZ-8 Plus

Portable real-time PCR instrument

Providing pet hospitals with diagnostic solutions for pet infectious diseases is the first choice for disease diagnosis.

1. Using PCR-TaqMan technology, it provides high sensitivity and high specificity to ensure the accuracy of detection results, which is the gold standard for pathogen detection.
2. Help pet owners to understand the potential hidden diseases of their pets in advance, screen for risks, and achieve early detection and early treatment.
3. Assist doctors in accurate diagnosis and targeted treatment of cats and dogs with diseases.



PRODUCT ADVANTAGES



Simultaneous testing of 8 samples or 16 items at a time



Small size



Support WiFi data transmission



One-click report generation



User-friendly operation interface

INSTRUMENT PARAMETERS

Basic parameters	Size	268*236*188 mm	Power frequency	50Hz-60Hz
	Voltage	AC 110V/220V	Communication Interface	WiFi, USB
	Weight	4.5 Kg	Sample size	8 holes*0.2mL
Use environment	Temperature	10°C-35°C	Atmospheric pressure	standard atmospheric pressure
	Humidity	10%-95%RH,no condensation	Altitude	Below 2000 meters
Fluorescence Detection System Performance	Light source	High brightnessLED	Detector	PD
	Sample Linear Range	10-1E10 copy	Sample Linearity	R≥0.99
Thermal parameters	Temperature accuracy	±0.25°C	Temperature control accuracy	±0.1°C
	Temperature uniformity	±0.25°C	Heating and cooling rate	6°C/S
Optical parameters	Excitation wavelength of the first channel	495nm±10nm	Excitation wavelength of the second channel	535nm±10nm
	Detection wavelength of the second channel	520nm±10nm	Detection wavelength of the second channel	570nm±10nm

GZ-NP2 Nucleic acid automatic extractor

Process multiple samples at the same time,
preset reagent-specific consumables

Specially designed for pet nucleic acid detection, perfectly matched to pet hospital PCR usage scenarios.

Match

Can extract multiple samples at the same time as fast as 8 minutes.

Fast

Built-in running program, one-click start, simple and fast, no learning cost.

Easy



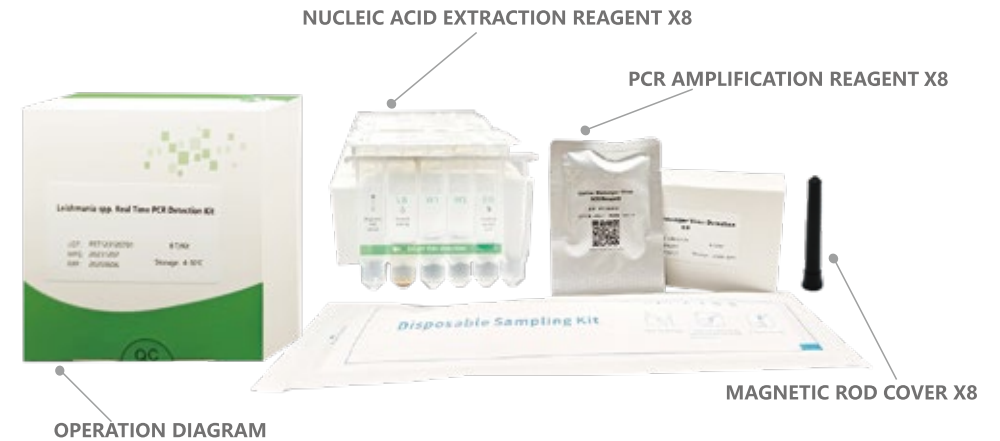
INSTRUMENT PARAMETERS

Working principle	Magnetic bar method	Sample volume	100-1000uL
Number of bar magnets	Two	Sample throughput	Two
Magnetic bead recovery	>95%	Sensitivity	1000 copies/mL
Difference between holes	CV5%	Single run time	8 minutes/time
Consumables	Dedicated pre-set consumables for single throughput		
Pollution control	UV disinfection	Shake and mix	Fixed frequency 3Hz
Operation interface	Physical buttons	Program management	Built-in fixed template
Equipment net weight	3.7Kg	Working environment	0-40°C, <80%RH
Mains power	Built-in power supply AC 110-250V 70W		
Dimensions	226mm*207mm*205mm		

PRODUCT DESCRIPTION

Pet Pathogen Fluorescent PCR Detection Kit

The infectious disease detection PCR reagent launched by Wondko Institute adopts the most advanced and latest diagnostic reagent from-PCR fullfreeze-drying system. It contains the necessary reagents for both extraction and amplification steps. The extraction reagent adopts the nucleic acid rapid extraction technology based on the magnetic bead method, which is simple and quick to ensure the accuracy of the diagnostic results. The amplification reagent adopts vacuum freeze-drying technology, including enzymes, primers, probes, dNTPs and ions. The dry PCR reagent has better stability and is convenient for storage and transportation.



PRODUCT ADVANTAGES

1

Individually packaged Single test reagents: Simplify the operation steps and reduce the risk of contamination during the experiment.

2

Lyophilization Amplification Reagents: The freeze-drying process can effectively reduce the influence of temperature changes on the performance of reagents, improve the stability of reagents, and facilitate the storage of reagents at room temperature.

3

Nucleic acid extraction is fast and convenient: The extraction reagents are pre-packaged to simplify the tedious steps of the experiment.

4

Product diversification: Rich product items, single test items, double test items and multiple test items can be selected and combined flexibly.

5

Zero-threshold operation: 10 minutes to complete professional-level experiments.

>> SPECIES



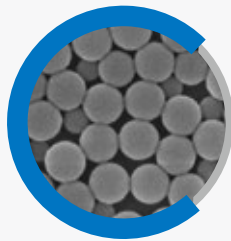
Note: For more details, please refer to the product catalog

>> PRINCIPLE AND TECHNOLOGY



Nucleic acid extraction

Reduce the risk of contamination during the experiment and simplify the operation steps.



Nano magnetic beads

Complete the collection of pathogen nucleic acids such as bacteria and viruses.



Lyophilized PCR system

Special morphological support protects enzyme activity and maintains reagent stability.

>> OPERATING PROCEDURES

1st Sample collection

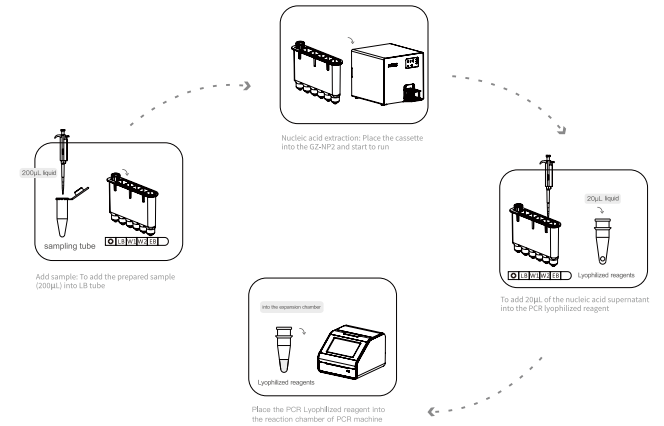


collection of swabs

sampling

sampling

2nd Nucleic acid extraction and amplification



Notice:

- The hole positions of the reagent cartridge are: magnetic rod cover, lysis buffer(LB), wash buffer 1(W1), wash buffer 2(W2), elution buffer(EB);
- The magnetic rod cover is placed in a square hole, do not put the magnetic rod cover into the circular hole, otherwise the instrument will prompt an error, please put the magnetic rod cover into the correct position again after the error is reported;
- Please pay attention to the direction of the cartridge when putting the reagent cartridge into the instrument card position, if the direction is wrong, it cannot be put in.

3rd Test Report



Report management

PCR TESTING PRODUCT CATALOG

Cat. No.	Product Catalog	Spec.	Sample Type	Main Host
GZP001	α Coronavirus type I R8T/Kiteal Time PCR Detection Kit	8T/Kit	Pleural effusion, ascites, fecal or anal swab	Feline&Canine
GZP004	Feline Parvovirus Real Time PCR Detection Kit	8T/Kit	Fecal or anal swab	Feline
GZP020	Canine Parvovirus Real Time PCR Detection Kit	8T/Kit	Fecal or anal swab	Canine
GZP002	Feline Calicivirus Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Feline
GZP003	Feline Herpesvirus type I Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Feline&Canine
GZP014	Chlamydia Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Feline
GZP025	Mycoplasma Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Feline
GZP005	Toxoplasma gondii Real Time PCR Detection Kit	8T/Kit	EDTA blood, fecal or anal swab	Feline&Canine
GZP006	Heartworm Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline&Canine
GZP007	Leptospira spp. Real Time PCR Detection Kit	8T/Kit	EDTA blood, urine	Feline&Canine
GZP008	Borrelia burgdorferi Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline&Canine
GZP016	Canine Adenovirus type I Real Time PCR Detection Kit	8T/Kit	EDTA blood	Canine
GZP017	Canine Adenovirus type II Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Canine
GZP018	Canine Parainfluenza Virus Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Canine
GZP019	Canine Distemper Virus Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab, EDTA blood	Canine
GZP021	Babesia spp. Real Time PCR Detection Kit	8T/Kit	EDTA blood	Canine
GZP022	Giardia lamblia Real Time PCR Detection Kit	8T/Kit	Fecal swab, intestinal lavage fluid	Feline&Canine
GZP024	Cryptosporidium spp. Real Time PCR Detection Kit	8T/Kit	Fecal or anal swab	Feline&Canine
GZP027	Ehrlichia spp. Real Time PCR Detection Kit	8T/Kit	EDTA blood	Canine
GZP028	Feline Immunodeficiency Virus Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline
GZP029	Feline Leukemia Virus Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline
GZP037	Brucella spp. Real Time PCR Detection Kit	8T/Kit	EDTA blood, reproductive or aborted secretions	Feline&Canine
GZP039	Bordetella bronchiseptica Real Time PCR Detection Kit	8T/Kit	Nasal secretions, nasopharyngeal swab	Feline&Canine
GZP040	Rabies Virus Real Time PCR Detection Kit	8T/Kit	Saliva, oral swab, cerebrospinal fluid	Feline&Canine
GZP041	Tritrichomonas foetus Real Time PCR Detection Kit	8T/Kit	Fecal swab, intestinal lavage fluid	Feline&Canine
GZP048	Helicobacter pylori Real Time PCR Detection Kit	8T/Kit	Feces, oral swab, vomitus	Feline&Canine
GZP061	Leishmania spp. Real Time PCR Detection Kit	8T/Kit	EDTA blood, skin mucosal lesion swab	Canine
GZP062	Hemotropic mycoplasmas Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline&Canine
GZP067	Anaplasma spp. Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Canine
GZP070	Neospora caninum Real Time PCR Detection Kit	8T/Kit	Fecal or anal swab	Canine
GZP074	Influenza A Virus Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Feline&Canine
GZP075	Canine Herpesvirus 1 Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Canine
GZP076	Canine respiratory coronavirus Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Canine
GZP077	Canine Pneumovirus Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Canine
GZP030	Feline Calicivirus / Feline Herpesvirus type I Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Feline
GZP032	Chlamydia / Mycoplasma Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Feline
GZP031	Parvovirus / α Coronavirus type I Real Time PCR Detection Kit	8T/Kit	Fecal or anal swab	Feline&Canine
GZP034	Leptospira spp. / Toxoplasma gondii Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline&Canine
GZP036	Babesia canis / Babesia gibsoni Real Time PCR Detection Kit	8T/Kit	EDTA blood	Canine

PCR TESTING PRODUCT CATALOG

Cat. No.	Product Catalog	Spec.	Sample Type	Main Host
GZP042	Feline Immunodeficiency Virus / Feline Leukemia Virus Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline
GZP043	Bartonella henselae / Toxoplasma gondii Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline
GZP046	Giardia lamblia / Tritrichomonas foetus Real Time PCR Detection Kit	8T/Kit	Fecal swab, intestinal lavage fluid	Feline&Canine
GZP073	Cryptosporidium spp. / Helicobacter pylori Real Time PCR Detection Kit	8T/Kit	Fecal or anal swab	Feline&Canine
GZP079	Canine Distemper Virus / Canine Parainfluenza Virus Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Canine
GZP054	Feline Stomatitis Panel (4 items) Real Time PCR Detection Kit	8T/Kit	Oral swab+EDTA blood	Feline
GZP055	Feline Anemia Panel (4 items) Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline
GZP052	Canine Respiratory Panel (4 items) Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Canine
GZP053	Canine Gastrointestinal Panel (4 items) Real Time PCR Detection Kit	8T/Kit	Fecal or anal swab	Canine
GZP038	Feline Respiratory Panel (4 items) Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Feline
GZP047	Feline Gastrointestinal Panel (4 items) Real Time PCR Detection Kit	8T/Kit	Fecal or anal swab	Feline
GZP051	Canine Blood Parasites Panel (4 items) Real Time PCR Detection Kit	8T/Kit	EDTA blood	Canine
GZP072	New Canine Blood Parasites Panel (4 items) Real Time PCR Detection Kit	8T/Kit	EDTA blood	Canine
GZP045	Feline Respiratory Panel (5 items) Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Feline
GZP049	Zoonosis Panel (6 items) Real Time PCR Detection Kit	8T/Kit	EDTA blood	Feline&Canine
GZP050	Canine Anemia Panel (6 items) Real Time PCR Detection Kit	8T/Kit	EDTA blood	Canine
GZP078	Canine Respiratory Panel (6 items) Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Canine
GZEP001	Parrot Bornavirus Real Time PCR Detection Kit	8T/Kit	Oropharyngeal swab or cloacal swab	Parrot
GZEP002	Parrot Beak And Feather Disease Virus Real Time PCR Detection Kit	8T/Kit	EDTA blood 0.1 mL or new feather (near chest and abdomen) 4-5 pieces	Parrot
GZEP003	Avian Polyomavirus Real Time PCR Detection Kit	8T/Kit	EDTA blood 0.1 mL or new feather (near chest and abdomen) 4-5 pieces or feces	Parrot
GZEP004	Chlamydia psittaci Real Time PCR Detection Kit	8T/Kit	Oropharyngeal swab or cloacal swab	Parrot
GZEP005	Psittacid Herpesvirus Real Time PCR Detection Kit	8T/Kit	Oropharyngeal swab or cloacal swab	Parrot
GZEP006	Pigeon Paramyxovirus Real Time PCR Detection Kit	8T/Kit	Oropharyngeal swab or cloacal swab	Pigeon
GZEP008	Trichomonas gallinae Real Time PCR Detection Kit	8T/Kit	Oropharyngeal swab	Pigeon
GZEP009	Pigeon Circovirus Real Time PCR Detection Kit	8T/Kit	Cloacal swab	Pigeon
GZEP018	Pigeon Adenovirus type 1 Real Time PCR Detection Kit	8T/Kit	Oropharyngeal swab or cloacal swab	Pigeon
GZEP019	Pigeon Adenovirus type 2 Real Time PCR Detection Kit	8T/Kit	Oropharyngeal swab or cloacal swab	Pigeon
GZEP010	Parrot Beak And Feather Disease Virus / Avian Polyomavirus Real Time PCR Detection Kit	8T/Kit	EDTA blood 0.1 mL or new feather (near chest and abdomen) 4-5 pieces	Parrot
GZEP011	Rabbit Encephalitozoon cuniculi Real Time PCR Detection Kit	8T/Kit	EDTA blood or urine	Rabbit
GZEP012	Rabbit Hemorrhagic Disease Virus Real Time PCR Detection Kit	8T/Kit	EDTA blood or nasopharyngeal swab	Rabbit
GZEP013	Mink Enteritis Virus Real Time PCR Detection Kit	8T/Kit	Fecal or anal swab	Mink
GZEP014	Mink Distemper Virus Real Time PCR Detection Kit	8T/Kit	EDTA blood or eye, nose, and throat swab	Mink
GZEP015	Aleutian Mink Disease Virus Real Time PCR Detection Kit	8T/Kit	Oropharyngeal swab or fecal or anal swab	Mink
GZEP016	Chelonid Alpha Herpesvirus Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab	Turtle
GZEP017	Mycoplasma agassizii Real Time PCR Detection Kit	8T/Kit	Eye, nose, and throat swab or nasal cavity or bronchial lavage fluid	Turtle
GZEP020	Snake Paramyxovirus Real Time PCR Detection Kit	8T/Kit	Oropharyngeal swab or cloacal swab or bronchial lavage fluid	Snake
GZEP021	Cryptosporidium serpentis / Cryptosporidium saurophilum Real Time PCR Detection Kit	8T/Kit	Cloacal swab	Reptiles
GZEP022	Cryptosporidium saurophilum Real Time PCR Detection Kit	8T/Kit	Cloacal swab	Snake