

AIGS-V Automatic Integrated Gene Detection System (Veterinary)



Features

- The main pathogens that cause common infectious diseases in pets are viruses, bacteria, mycoplasma and chlamydia, and parasites, which seriously endanger the health of pets.
- The cartridge of the H-RE detection system combines microfluidics, nano-superparamagnetic beads nucleic acid extraction, fluorescence real-time PCR, enzyme and reagent critical state preservation technologies, which is pre-installed with the extraction and amplification reagents, so to realize the fully-closed automatic output from the sample to the gene detection result. It avoids the shortcomings of the conventional molecular detection, with false positive results, although with high sensitivity.

Advantages

1. Fully-closed Microfluidic Kit, No Contamination

H-RE cartridge with the unique design can control reagents flow in one direction. Owing to the microfluidic valves and sealed separate units, it avoids the contamination. So the system can be placed under the ordinary lab environment.

2. Real-time Fluorescent PCR Technology, High Sensitivity

It combines the specificity and sensitivity of PCR detection technology, which shortens the window period of disease detection, and all the extracted nucleic acids from the sample enter the reaction system, which greatly improves the sensitivity

3. From sample to report as less as in 1 hour

The whole process, including the extraction, purification, amplification and detection of sample, will be done in about one hour, which shortens the period of detection.

4. Multi-channel on-demand inspection, Timely diagnosis

One machine can detect four different samples or items at any time, it realizes the

function of four individual machines.

5.Pathogen Quantitative Detection,Monitoring the treatment process

When the report is made,it prompts the concentration of the pathogen,so to assist in judging the degree of the disease,and it is also used wo monitor the treatment effect and guide the medication process.

6.Multiplex Kits, Multiple Combinations. Deeply concerned! (2 Multiplex Kits/3 Multiplex Kits/4 Multiplex Kits)

The same instrument,adding multiplex kits,multiple combinations of respiratory and digestive tract tests,meets various testing needs of veterinary and reduces laboratory budgets.

The available kits cover common detection items of pathogens.

Technical Specifications

PARAMETERS	SPECIFICATIONS
Model	AIGS-V
Excitation light source	LED
Detector	PMT photomultiplier tube
Temperature control module	Semiconductor
Block temperature range	40°C-99.9°C
Block temperature fluctuation	≤±0.5°C
Block temperature accuracy	≤0.5°C
Temperature display accuracy	0.1°C
Dyes	FAM、ROX、Cy5、HEX
Display	7-inch color touch screen
Power supply	AC100-240V,50/60HZ,350W
Data connector	USB,WIFI,Network cable
Size	Length 380mm*Width 305mm*Height 343mm
Net Weight	16kg

Single Target Detection Kit

PRODUCT NAME	DESCRIPTION
Feline Parvovirus (FPX) Detection Kit	DNA
Feline Coronavirus (FCoV) Detection Kit	RNA
Feline Herpes Virus (FHV) Detection Kit	DNA
Feline Calicivirus (FCV) Detection Kit	RNA

Mycoplasma Feline (MF) Detection Kit	DNA
Chlamydia Feline (CF) Detection Kit	DNA
Feline Leukemia Virus (FeLV) Detection Kit	RNA
Tox Gondii (ToxG) Detection Kit	DNA
Leptospira (Lept) Detection Kit	DNA
Barton's Disease (Bar) Detection Kit	DNA
Mycoplasma Haemophilus (Mha) Detection Kit	DNA
Bordetella (BB) Detection Kit	DNA
Babesia virus Detection Kit	DNA
Canine Distemper Virus (CDV) Detection Kit	RNA
Canine Parvovirus (CPV) Detection Kit	DNA
Canine Coronavirus (CCov) Detection Kit	RNA
Canine Herpes Virus (CHV) Detection Kit	DNA
Rabies Virus (RV) Detection Kit	RNA
Canine Adenovirus (CAH-1,hepatitis) Detection Kit	DNA
Canine Adenovirus (CAH-2,respiratory tract) Detection Kit	DNA
Canine Heartworm (DI) Detection Kit	DNA

Multiplex Kits

DESCRIPTION	PRODUCT NAME
2 Multiplex Kits	Feline Respiratory Duplex Test Kit (FCV+FHV)
	Feline Respiratory Duplex Test Kit 2 (MF+CF)
	Feline Diarrhea Duplex Test Kit (FCoV+FPV)
	Canine Diarrhea Duplex Test Kit (CCoV+CPV)
	Feline Anemia Duplex Test Kit 2 (FIV+FeLV)
	Canine Respiratory Duplex Test Kit 2 (CAV2+BB)
	Feline Anemia Duplex Test Kit (FeLV+ToxG)
	Common Duplex Test Kit (ToxG+Lept)
3 Multiplex Kits	Canine Respiratory Duplex Test Kit (CDV+CHV)
	Feline Respiratory Triplex Test Kit (FCV+FHV+MF)
	Feline Respiratory Triplex Test Kit 2 (FHV+ MF+CF)
	Feline Stomatitis Triplex Test Kit (FHV+FCV+FeLV)
4 Multiplex Kits	Canine Respiratory Triplex Test Kit(CDV+CAV2+BB)
	Feline Respiratory Multiplex Test Kit (FCV+FHV+MF+CF)
	Canine Respiratory Multiplex Test Kit (CHV+CDV+CaH-1+BB)

