



## Contact HIGHTOP Now

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# VETERINARY PRODUCT CATALOGUE



Qingdao Hightop Biotech Co., Ltd.



01

## Clinical Tests

- Hematology 01
- Urinalysis 02
- Biochemistry 03

02 Point of Care Tests

Fluorescence Immunoassay  
Colloidal Gold Rapid Tests  
DOT Rapid Test

04  
05  
05

03

PCR Tests

07

## HEMATOLOGY



CE

### HT-300VET

#### Strong compatibility

- Multiple test modes: Whole blood mode, Predilute mode
- Multiple printer modes: built-in thermal printer, external laser or inkjet printer
- Large storage capacity: 50000 results including histograms
- Support connection to LIS



#### Humanized design

- 10.4 inch color touch screen
- Liquid crystal screen (LCD)
- Resolution: 800×600
- 10°tilt to adapt to visual observation

#### Low consumption and High efficiency

- 2 reagents
- Sampling volume≤20μL
- 60 samples per hour

Size:390×285×390mm Weight≤18kg

### HT-5000

#### Strong compatibility

- Multiple sampling modes: the whole blood mood, predilute mode
- Multiple test mode: CBC, CBC+5diff, CBC+5diff+RRBC
- The external laser or inkjet printer
- Support connection to LIS



#### Humanized design

- 10.4 inch color touch screen
- Liquid crystal screen (LCD)
- Resolution: 1024×768
- 10°tilt to adapt to visual observation

#### Low consumption and High efficiency

- Only 3 reagents are needed
- Sampling volume≤28μL
- 55 samples per hour

Size:430×330×510mm Weight≤25kg

# URINALYSIS



CE

Urinalysis is one of the most common clinical test items, mainly used to:

1. Identify kidney abnormal earlier
2. Evaluate animal dehydration
3. Diagnose urinary system diseases and endocrine diseases
4. Assist auxiliary diagnosis for other diseases (tumor, liver disease, anemia, inflammation)

## Product Features

- Multiple detection formats available
- Options for test strips in different specifications are available to meet various clinical needs
- Supports visual interpretation and rapid instrument test

## BETTER ASSIST THE DIAGNOSIS OF KIDNEY DISEASES

For veterinary use only

Maintain strategic cooperation with leading domestic veterinary medical institutions

Specially adjusted reaction pad composition for veterinary detection

ASCORBIC ACID (60s)	
LEUKOCYTES (120s)	
GLUCOSE (60s)	
MICROALBUMINURIA (60s)	
BILIRUBIN (60s)	
pH (60s)	
BLOOD (60s)	
SPECIFIC GRAVITY (60s)	
KETONE (60s)	
PROTEIN (60s)	
NITRITE (60s)	
UROBILINOGEN (60s)	
CREATININE (60s)	
CACIUM (60s)	

The Urinalysis Reagent Strip can test for 14 parameters:

Uncut sheet available of any combination of following parameters

Glucose, Bilirubin, Ketone, Specific Gravity, Blood, pH, Protein, Urobilinogen, Nitrite, Leukocytes, Ascorbic Acid, in urine specimen, Calcium, Creatinine and Microalbuminuria. compatible QC reagent available on-demand



HT-111A

Detection Speed	60/120 reports/hour
Strips	8-14 parameters
Data Storage	2,000

# BIOCHEMISTRY



## HTSH-2000

Size 622x428x527mm  
Weight 47.5KG

200Tests/hour



### Reagent sample tray

40 Reagent Positions, 48 Sample Positions  
Mixed display of all kinds of samples.  
37°C±0.1°C, real-time monitor.

### Stirring mechanism

Liquid level sensor function. Anti-collision function.  
Reagent volume real-time detection.  
Automatic cleaning function.

### Reagent/sample filling mechanism

Special coating to avoid contamination.

### Automatic cleaning mechanism

Automatic eight sections washing of detecting cup.  
Washing probe has the function of plugging and automatic cleaning.

### Reaction tray

50 Reaction Positions  
Automatically monitor on the remaining Circulating cooling refrigeration.

HIGHTOP offers a variety of biochemistry test combinations that fits in different clinical scenarios.

Test Group	Items
	ALB, ALT, AST, AMY, TP, TB, TC, TG, A/G, Crea, GLU, GLOB, Ca, PHOS, CK Normally used for physical examination and disease screening. This combination has a relatively high cost performance; includes many test items, covering many parameters in liver function, kidney function, myocardia, blood lipid, etc.
	ALB, ALP, ALT, TP, TB, TC, A/G, GLOB, TBA, GGT, AST Important panel for liver function detection, essential items for routine internal medicine diseases. This panel can accurately determine various items designed for liver function. *TBA and GGT level is crucial for detection of feline disease.
	ALB, Crea, Ca, CO2, GLU, UA Evaluation and detection for animal kidney function.
	Ca, PHOS, Mg, Cl-, CO2 Understanding the content of electrolytes in the body provides evidence for supplementing electrolytes to maintain osmotic pressure and acid-base balance within the body. It is an indispensable test for clinical treatment of severe dehydration, heart failure and other conditions.

02

Point of Care Tests

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Clinical Tests

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03

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## FLUORESCENCE IMMUNOASSAY

### HTY-100



#### Technical Specifications

Throughput	Fastest 3 sec/test, routinely 3 min/test
Display	LCD Touch Screen
Printer	Internal Thermal Printer
LIS Connection	Available
Power Supply	Input AC 220V; Output DC 12V 5A
Operation Environment	Temperature: 15~30°C, Relative Humidity: 40%~85%
Dimensions (L*H*W)	264*233*142 mm
Weight	2.2 kg

#### Features

Large Full Touch Screen	Accuracy	Speediness	Intelligence
• Great man-machine interaction and strong anti-interference ability	• Multiple quality control, provides accurate and reliable results	• Maximum 3 sec/sample in continuous mode	• Intelligent identification, minimized manual intervention

#### FIA Reagents

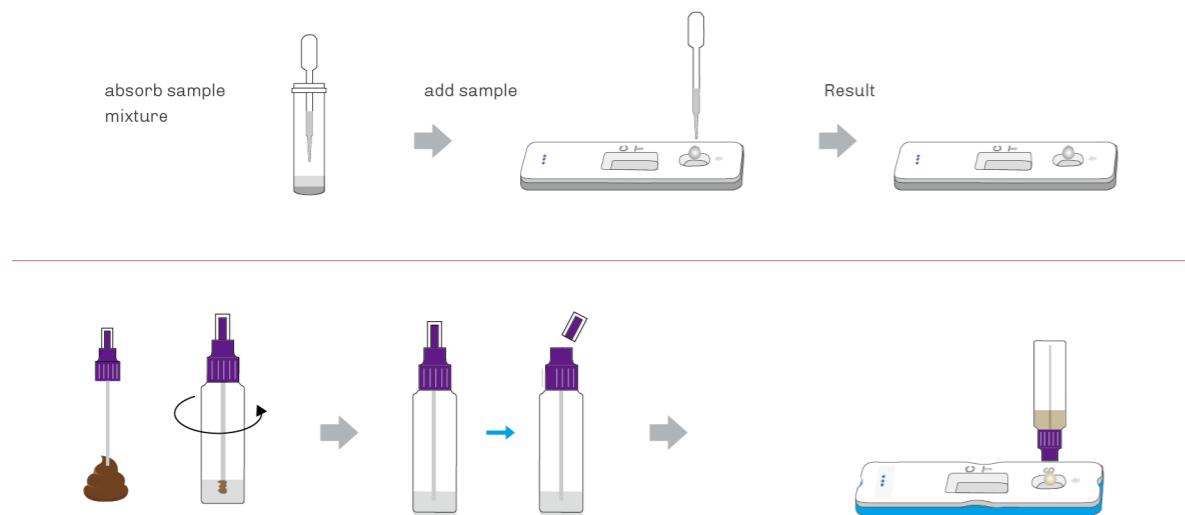
Canine			Feline					
	Test Item	Description	Sample Type	Test Item	Description	Sample Type		
Inflammation	cCRP	Canine C-Reactive Protein	WB/S/P	fSAA	Feline Serum Amyloid A	WB/S/P		
	CDV	Canine Distemper Virus Antigen	Ocular/ nasal oral secretions	FPV	Feline Parvovirus Antigen	Feces		
	CPV	Canine Parvovirus Antigen	Feces	FCV	Feline Coronavirus Antigen	Ocular/ nasal oral secretions		
	CCV	Canine Coronavirus Antigen	Feces	FHV	Feline Herpesvirus Antigen	Ocular/ nasal oral secretions		
	CAV Ab (ICH)	Canine Adenovirus Antibody	S/P	FCV Ab	Feline Calicivirus Antibody	S/P		
	CDV Ab	Canine Distemper Virus Antibody	S/P	FHV Ab	Feline Herpesvirus Antibody	S/P		
	CPV Ab	Canine Parvovirus Antibody	S/P	FPV Ab	Feline Parvovirus Antibody	S/P		
	ICH/CDV CPV Ab	Canine Trivalent Antibody	S/P	FCV/FHV FPV Ab	Feline Trivalent Antibody	S/P		
	Gastrointestinal Tests		cPL	Canine Specific Lipase	S/P	fPL	Feline Specific Lipase	S/P
	Reproduction		cProg	Canine Progesterone	S	Thyroid Function		
			TT4	Canine Total Thyroid Hormone	S/P			
			cTSH	Canine Thyroid Stimulating Hormone	S/P			
	Cardio Function		cNT-proBNP	Canine N-Terminal Forebrain Natriuretic Peptide	S/P			

Packing:10 T/Box, 20 T/Box      Validity: 24 Months

## COLLOIDAL GOLD TESTS

Antibody			Antigen		
	Test Item	Sample Type		Test Item	Sample Type
Canine	CDV-Ab			CPV-Ag	
	CPV-Ab			CCV-Ag	Feces
	CCV-Ab	Serum/Plasma	24 Months	CPV/CCV Ag	
	cIgE			CDV-Ag	
Feline	Lepto-Ab			CIV-Ab	Body Secretion
	FCoV-Ab			CAV2-Ag	
	FHV-Ab	Serum/Plasma	24 Months	Chw-Ag	
	FCV-Ab			FPV-Ag	Feces
	FIV-Ab			FCoV-Ag	
				FHV-Ag	Body Secretion
				FCV-Ab	
				FeLV-Ag	Serum/Plasma

### Easy to Use



## DOT RAPID TEST

Methodology	Product Description	Sample Type	Validity
Dot-Immunoenzyme Filtration Assay (DIEFA)	FPV/FHV/FCV IgG Antibody Test Kit	WB/S/P	12 Months
	ICH/CPV/CDV IgG Antibody Test Kit	WB/S/P	12 Months



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# PCR TESTS



Product Description		Sample Type
Feline	Feline Calicivirus Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Feline Coronavirus Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Feline Herpesvirus Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Feline Chlamydia Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Feline Mycoplasma Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Feline Rickettsia Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Bartonella henselae Nucleic Acid Detection Kit (Real-Time PCR)	Blood, Tissues
	Feline Immunodeficiency Virus Nucleic Acid Test Kit (Real-time PCR)	Blood
	Feline Leukemia Virus Nucleic Acid Test Kit (Real-time PCR)	Blood, Oral Swabs
	Feline Polycystic Kidney Disease Nucleic Acid Detection Kit (Real-time PCR)	Blood, Buccal Swabs
Canine	Canine Parainfluenza Virus Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Oral Swabs
	Canine Coronavirus Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Oral Swabs
	Canine herpesvirus Nucleic Acid Detection Kit (Real-time PCR)	Ocular Secretions, Nasal Secretions
	Canine distemper virus Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Ocular Secretions
	Canine Parvovirus Nucleic Acid Detection Kit (Real-Time PCR)	Nasal Swabs, Ocular Secretions
	Canine distemper Virus and Canine Parvovirus Nucleic Acid Detection Kit (Real-Time PCR)	Nasal Swabs, Ocular Secretions
	Canine Mycoplasma Nucleic Acid Detection Kit (Real-Time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Canine Babesia Detection Kit (Real-time PCR)	Serum, Plasma
	Canine Anaplasma platys Detection Kit (Real-time PCR)	Blood, Bone Marrow Aspirates
	Canine Ehrlichia Nucleic Acid Test Kit (Real-time PCR)	Blood
Other Veterinary Tests	Canine Brucella Nucleic Acid Detection Kit (Real-Time PCR)	Blood, Tissues, Exudates
	Bordetella Bronchiseptica Nucleic Acid Detection Kit (Real-Time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Chlamydia Psittaci Nucleic Acid Detection Kit (Real-Time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Echinococcosis Nucleic Acid Test Kit (Real-time PCR)	Blood, Body Fluids, Tissues
	Peste des Petits Ruminants Virus (PPRV) Nucleic Acid Test Kit (Real-time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	Babesia/Borrelia burgdorferi/Anaplasma phagocytophilum Multiplex Nucleic Acid Detection Kit (Real-time PCR)	Blood, Tissues
	Avian Influenza Virus Universal Nucleic Acid Detection Kit (Real-time PCR)	Oropharyngeal Swab, Cloacal Swab, Tissues (Lung, Trachea)
	Newcastle Disease Virus Nucleic Acid Detection Kit (Real-time PCR)	Lung Tissue, Spleen Tissue, Brain Tissue, Respiratory Swab
	Avian Infectious Bronchitis Virus Nucleic Acid Detection Kit (Real-time PCR)	Tracheal Swab, Kidney Tissue
	Marek's Disease Virus Type 1 Nucleic Acid Detection Kit (Real-time PCR)	Tumor Tissue, Affected Lymph Tissue
Other Veterinary Tests	Avian Leukosis Virus Nucleic Acid Detection Kit (Real-time PCR)	Blood
	Duck Plague Virus Nucleic Acid Detection Kit (Real-time PCR)	Liver, Spleen Tissues
	Duck Hepatitis Virus Type I Nucleic Acid Detection Kit (Real-time PCR)	Liver Tissue
	Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Nucleic Acid Detection Kit (Real-time PCR)	Serum, Lung Tissue, Blood
	Porcine Reproductive and Respiratory Syndrome Virus European Strain Nucleic Acid Detection Kit (Real-time PCR)	Serum, Lung Tissue
	Classical Swine Fever Virus Nucleic Acid Detection Kit (Real-time PCR)	Collect tissue samples from the junction area between affected and healthy tissues in organs such as tonsils and lymph nodes. Blood
	Pseudorabies virus Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Oral Swabs
	Porcine circovirus type 2 Nucleic Acid Detection Kit (Real-time PCR)	Blood, Tissues
	Porcine parvovirus Nucleic Acid Detection Kit (Real-time PCR)	Blood, Tissues
	Foot-and-mouth disease virus Nucleic Acid Detection Kit (Real-time PCR)	Oral Swabs
	Porcine transmissible gastroenteritis virus Nucleic Acid Detection Kit (Real-time PCR)	Feces
	Porcine epidemic diarrhea virus Nucleic Acid Detection Kit (Real-time PCR)	Feces
	Porcine rotavirus Nucleic Acid Detection Kit (Real-time PCR)	Feces
	Swine acute diarrhea syndrome coronavirus Nucleic Acid Detection Kit (Real-time PCR)	Feces
	Porcine coronavirus Nucleic Acid Detection Kit (Real-time PCR)	Feces
	Streptococcus suis (universal detection) Nucleic Acid Detection Kit (Real-time PCR)	Blood, Tissues
	Streptococcus suis serotype 2 Nucleic Acid Detection Kit (Real-time PCR)	Blood, Tissues
	Actinobacillus pleuropneumoniae Nucleic Acid Detection Kit (Real-time PCR)	Nasal Swabs, Blood, Tissues
	Haemophilus parasuis Nucleic Acid Detection Kit (Real-time PCR)	Blood, Tissues
	Swine Erysipelothrix rhusiopathiae Nucleic Acid Detection Kit (Real-Time PCR)	Blood, Tissues
	Mycoplasma hyopneumoniae Nucleic Acid Detection Kit (Real-Time PCR)	Nasal Swab, Pharyngeal Swab
	African Swine Fever Virus (ASFV) Nucleic Acid Detection Kit (Real-Time PCR)	Blood, Tissues
	Peste des Petits Ruminants Virus (PPRV) Nucleic Acid Detection Kit (Real-Time PCR)	Nasal Swabs, Oral Swabs, Ocular Secretions, Nasal Secretions
	African Horse Sickness Virus (AHSV) Nucleic Acid Detection Kit (Real-Time PCR)	Blood, Tissues
	Eastern Equine Encephalitis Virus (EEEV) Nucleic Acid Detection Kit (Real-Time PCR)	Blood
	Western Equine Encephalitis Virus (WEEV) Nucleic Acid Detection Kit (Real-Time PCR)	Blood
	Pasteurella multocida Nucleic Acid Detection Kit (Real-Time PCR)	Nasal Swab, Blood
	African Trypanosome Nucleic Acid Detection Kit (Real-Time PCR)	Blood

Packing: 24 T/Kit, 32 T/Kit, 48 T/Kit

Applicable Instruments: Roche (LightCycler 480 II, LightCycler® PRO, LightCycler® 96), Applied Biosystems (QuantStudio 5, ABI7500)