Clear answers for modern animal care.

VETERINARY DIAGNOSTIC SOLUTIONS

About Wisenz

Wisenz Biotech Limited is an IVD commercialization and supply platform connecting international partners with selected diagnostic instruments, reagents and manufacturing resources from China.

Drawing on 10+ years of international IVD sales experience, we match products to market needs and coordinate product information, technical discussions, training arrangements and after-sales communication with suppliers.

For distributors, veterinary clinics and laboratories

VETERINARY · HEMATOLOGY

YS-H25

Multifunctional Blood Analyzer

A compact 25-parameter POCT hematology platform using AI microscopic imaging for WBC, RBC and PLT analysis, with colorimetric HGB measurement.

Only 10 uL
Venous or capillary blood

8-minute result
Fast single-sample workflow

No liquid circuit
Low maintenance; no waste liquid

AI morphology
Cellular recognition and imaging

POCT - FOUR SIMPLE STEPS

1. Collect
Obtain 10 uL blood

2. Add sample
Use single-test pack

3. Run
Automated analysis

4. Report
Digital result output

25 reportable parameters

WBC group (11)
WBC, NEU#, LYM#, MON#, EOS#, BAS#, NEU%, LYM%, MON%, EOS%, BAS%

RBC group (8)
RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV

PLT group (6)
PLT, MPV, PDW, PCT, P-LCC, P-LCR

VETERINARY · HEMATOLOGY

YS-H5

5-Part Veterinary Hematology Analyzer

A high-throughput CBC+DIFF analyzer combining multi-angle laser scattering, flow cytometry, electrical impedance and cyanide-free hemoglobin measurement.

60 samples/hour
Efficient routine laboratory testing

25 parameters
CBC plus 5-part differential

<=20 uL
Small whole-blood sample

Connected workflow
Two-way LIS and large storage

ANALYSIS
CBC+DIFF veterinary configuration

SAMPLE MODES
Whole blood and pre-diluted

DISPLAY
10.4-inch touchscreen

STORAGE
100,000+ results

CBC+DIFF parameter menu

WBC differential (11)
WBC, NEU#, LYM#, MON#, EOS#, BAS#, NEU%, LYM%, MON%, EOS%, BAS%

RBC parameters (8)
RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV

Platelet parameters (6)
PLT, MPV, PDW, PCT, P-LCC, P-LCR

VETERINARY · MOLECULAR DIAGNOSTICS

YS-M4

Compact Real-Time PCR System

An ultra-compact four-channel real-time PCR system supporting both extraction-free testing and YS-AC20-assisted nucleic-acid extraction workflows.

750 g
120 x 120 mm footprint

Four channels
FAM, HEX, ROX and CY5

10 C/sec
Fast maximum ramp rate

Single sample
Focused on-demand testing

DIRECT / EXTRACTION-FREE

1. Collect & mix	2. Dispense	3. Quick spin	4. Amplify
Prefilled direct buffer	25 uL into PCR reagent	Centrifuge 10 seconds	Run on YS-M4

WITH NUCLEIC-ACID EXTRACTION

1. Collect	2. Extract	3. Quick spin	4. Amplify
Validated specimen	Process on YS-AC20	Prepare reaction tube	Run on YS-M4

Veterinary molecular assay menu

Core single-target assays
CPV; CDV; CAV (generic, type 1 or 2); CPIV; CCoV; FCoV; Toxoplasma gondii; Bordetella bronchiseptica; Mycoplasma spp.; MHV; Giardia; Cryptosporidium; Tritrichomonas foetus; Rickettsia spp.; Bartonella henselae; feline hemotropic Mycoplasma; canine Mycoplasma.

Feline panels
Respiratory 5-panel; diarrhea 5-panel; FCoV + FPV duplex; diarrhea 4-panel.

Canine & zoonotic panels
Canine respiratory 6-panel; canine diarrhea 4-panel; zoonotic 6-panel.

Assay formats, pack sizes, performance claims and regulatory availability vary by market.

VETERINARY · BIOCHEMISTRY

YS-C100

Automatic Veterinary Biochemistry Analyzer

A compact, one-button POCT chemistry analyzer using single-use reagent discs and approximately 150 uL of serum or plasma.

14 minutes
Automated sample-to-result testing

Single-use disc
Closed, convenient reagent format

150 uL
Small serum or plasma volume

4.5 kg
Compact and connected

POCT - ONE-BUTTON WORKFLOW

1. Prepare
150 uL serum/plasma

2. Load disc
Add sample to reagent disc

3. Start
Insert and press one button

4. Report
Review or print results

Representative reagent-disc profiles

Full package
Up to 23 items

Comprehensive exam
18 items

Preoperative comprehensive
11 items

Basic check
10 items

Electrolytes
8 items

Contact Wisenz for the current analyte composition of each disc, local availability and regulatory status.

VETERINARY · BIOCHEMISTRY

YS-C200

Veterinary Automatic Biochemistry Analyzer

A micro-volume automatic platform for routine veterinary chemistry, inflammation, coagulation and electrolyte testing, with an integrated touchscreen and printer.

120-140 uL
Whole blood, serum or plasma

Approx. 10 min
Efficient single-sample result

Multiple profiles
Chemistry and coagulation profiles

Integrated system
Android, printer and USB

POCT - SAMPLE TO RESULT

1. Collect
Whole blood/serum/plasma

2. Add sample
Load the selected test pack

3. Start
Automated incubation and test

4. Report
On-screen and printed result

Veterinary biochemical kit menu

Comprehensive (24)
ALB, TP, TB, A/G*, TG, Crea, BUN, B/C*, PHOS, Ca, CK, GLOB*, GLU, LPS, GGT, TBA, LDH, ALT, tCO2, ALP, UA, TC, AST, AMY

Liver & kidney (18)
ALB, TP, TB, ALP, TC, A/G*, GLOB*, TBA, GGT, AST, ALT, K+, Crea, BUN, PHOS, Ca, B/C*, UA

Preoperative (14)
ALB, GLU, Crea, TP, BUN, ALP, ALT, A/G*, B/C*, GLOB*, CK, LDH, AST, TB

Canine inflammation (12)
c-CRP, ALB, TP, GLOB, A/G*, ALT, AMY, LPS, CK, Crea, BUN, B/C*

Feline inflammation (14)
f-SAA, ALB, TP, GLOB*, A/G*, GGT, ALT, ALP, TBA, AMY, CK, Crea, BUN, B/C*

Additional profiles
Liver function (11); kidney function (7); preoperative (10); coagulation: PT, APTT, Fib, TT; electrolyte profile (13).

VETERINARY · BIOCHEMISTRY

YS-CS10

Veterinary Semi-Auto Biochemistry Analyzer

A compact open-system chemistry analyzer for laboratories that require flexible reagent selection, programmable methods and adaptable veterinary workflows.

Open system
Configure tests with selected reagents

Flexible methods
End-point, kinetic and fixed-time

7 wavelengths
Plus one optional channel

200,000+ results
WLAN, USB and LIS support

DISPLAY	INCUBATION	PROGRAMMING	PRINTER
7-inch IPS touchscreen	10 positions; 25/30/37 C	300+ test programs	Built-in 57 mm thermal

Configurable veterinary test menu

Routine chemistry categories
Liver function | Kidney function | Metabolic screening | Lipids | Enzymes | Minerals and electrolytes | Inflammation-related chemistry

YS-CS10 is an open-system analyzer and therefore does not have one fixed proprietary assay menu. Available analytes depend on the selected veterinary reagents, calibrators and validated application settings.

VETERINARY / URINALYSIS

HY-611 VET

Animal Urine Chemical Analyzer

Automated urine-strip reading for feline, canine and other animal samples, with cold-light optics and integrating-sphere measurement.

200 samples/hour
Efficient routine strip analysis

11 parameters
Matched HY-11A VET strips

100,000 results
Onboard data storage

Connected reporting
Built-in printer and LIS output

SIMPLE URINALYSIS WORKFLOW

1. Prepare
Collect urine as instructed

2. Apply sample
Prepare strip per instructions

3. Load & start
Place strip; activate reading

4. Review
Read, print or transfer results

11-parameter urine chemistry menu

Cells and infection-related markers
WBC - Leukocytes
NIT - Nitrite
BLD - Blood

Chemistry and metabolism
PRO - Protein; GLU - Glucose
KET - Ketone; BIL - Bilirubin
URO - Urobilinogen

Additional measurements
pH; SG - Specific gravity
VC - Ascorbic acid
Compatible strip: HY-11A VET

245 x 255 x 110 mm | 2.25 kg | AC 100-240 V, 50/60 Hz. Follow the applicable strip instructions for preparation and timing.

VETERINARY / MOLECULAR DIAGNOSTICS

YS-AC20

Automated Nucleic Acid Extractor

A compact magnetic-bead system for veterinary DNA/RNA preparation, using prefilled reagents and guided touchscreen operation.

1-4 samples
Flexible low-throughput extraction

8-13 minutes
Reagent and protocol dependent

Prefilled reagents
Simplified reagent handling

4.3-inch touchscreen
Guided benchtop operation

SIMPLE SAMPLE PREPARATION

1. Prepare
Add sample to prefilled cuvette

2. Load
Position cuvettes and magnetic rod

3. Start
Automated binding, wash and elution

4. Collect
Prepare DNA/RNA for PCR

Matched extraction chemistry
MTQ036V veterinary reagent; TM-36 format, 36 tests per kit. Use the Animal program and the applicable kit instructions.

Specimens and selected specifications
Whole blood, serum, plasma, saliva, oral/nasal and fecal swabs, tissues and other kit-supported specimens.
Sample: 50-500 uL | Elution: 60-100 uL
190 x 244 x 252 mm | 4.7 kg | UV lamp

VETERINARY / MICROSCOPY

YS600 / YS800 / YS900

Biological Microscope Series

Three observation configurations for veterinary laboratory microscopy. All models can be paired with the HD3900 camera for live viewing and documentation.

Three configurations
Darkfield, phase contrast or dual mode

40x objective
Configuration-specific optical setup

Precision focusing
0.005 mm fine-focus precision

HD3900 imaging
2 MP; 1080p at 60 fps; HDMI

Choose the observation configuration

YS600 - Darkfield
40x plan achromatic objective.
Darkfield condenser.

YS800 - Phase contrast
40x phase-contrast objective.
Phase-contrast condenser.

YS900 - Dual mode
40x phase-contrast objective.
Pull-out darkfield / phase-contrast switching slide.

SHARED PLATFORM

30-degree trinocular head | 5 W LED illumination | Stage: 210 x 140 mm | X/Y travel: 75 x 50 mm
Interpupillary range: 48-75 mm | C-mount camera connection | HD3900 available with all three models

VETERINARY · RAPID TESTS

Veterinary Rapid Tests

81 colloidal-gold rapid tests organised across six species and application groups.

Canine · 31

- CDV Ag / Ab
- CPV Ag / Ab
- CCV Ag / Ab
- CAV-II Ag
- CAV-I Ag
- CAV Ab
- Canine Flu Ag
- CPV / CCV Ag
- CDV / CAV-II Ag
- CDV / Flu Ag
- Rabies Ag / Ab
- Heartworm Ag
- Rotavirus Ag
- Relaxin Ag
- Pancreatitis Ag
- Progesterone
- Ehrlichia Ab / Ag
- Lyme Ab
- Anaplasma Ab
- Babesia Ab
- Leptospira Ab
- Leishmania Ab
- IgE
- CRP
- TSH
- Cortisol

Feline · 17

- FPV Ag / Ab
- FCV Ag / Ab
- FHV Ag / Ab
- FCoV Ag
- FIPV Ag / Ab
- FeLV Ag
- FIV Ab
- FHV-I Ag
- Leishmania Ab
- Ehrlichia Ab / Ag
- Pancreatitis Ag
- SAA

Avian · 4

- Avian Influenza Ag
- H5 Subtype Ag
- Newcastle Disease
- Newcastle Disease Virus Ag

Bovine · 10

- Early Pregnancy Ag
- Progesterone
- IBR Ab
- Tuberculosis Ab
- BVDV Ag / Ab
- Herpesvirus Type I Ag
- Brucella Ab
- Coronavirus Ab
- FMD NSP Ab

Porcine · 9

- ASFV Ag
- CSFV Ag / Ab
- PCV2
- FMDV Ab
- Pseudorabies Ab
- PRRSV Ab
- Parvovirus Ag
- Brucella Ab

General Veterinary · 10

- Cryptosporidium Ag
- Entamoeba histolytica Ag
- Brucella Ab
- Giardia lamblia Ag
- Toxoplasma gondii Ag / Ab
- D-Dimer
- Troponin I
- Serum Amyloid A-like protein
- Anthrax Ab

QUICK-TEST WORKFLOW

1. Collect
Use the specified specimen

2. Apply
Add sample and buffer

3. Wait
Develop for stated time

4. Read
Interpret control/test lines

CONSUMABLES

Ultrasonic lysis

Volumetric dispensing tubes and nucleic acid release reagent.

A consumable set for ultrasonic direct amplification. The sample stays in the original tube, lysis takes about a minute, and pre-aliquoted or lyophilized PCR reagent is dispensed into the reaction tube. The same release step is also described for animal and plant epidemic samples.

About 1 minute
Ultrasonic lysis on the original tube.

Within 30 minutes
One sample addition, then a result.

Over 99%
Agreement with magnetic-bead extraction.

Under 2 µL
Dispense error, including repeats.

OPERATION

1 Sample
Add the swab sample to the volumetric dropper, or another recommended tube.

2 Lyse
Load the original tube. One-click start. About 60 seconds.

3 Dispense
Pre-aliquoted or lyophilized P
10?25 µL, into the PCR tube.

SPECIFICATIONS

Dispense volumes: 5?10 µL, 15 µL, 20 µL and 25 µL.
PCR load volume: 10?25 µL.
Release reagent: room-temperature storage, matched to the volumetric dropper.
Tube compatibility: about 90% of ultrasonic instruments, as stated by the supplier.