

Automatic Veterinary Analyzer

KHB – Automatic Multifunctional Veterinary Analyzer - China

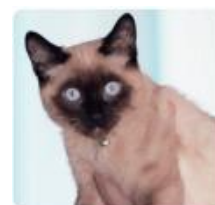
Comprehensive & Versatile Testing

- **4-in-1 Tests:** supports biochemistry, electrolytes, coagulation, & immunofluorescence tests
- **Broad Test Menu & High Capacity:**
 - * 40+ clinically significant tests
 - * 15 package combinations
 - * Covers >90% of veterinary diagnostic needs
 - * Disc combos maximize efficiency



Animal-friendly & Cost Effective

- **Minimal Sample volume:** No more than 100 μ L of blood/test combo for fast sampling
- **Low reagent consumption:** High accuracy at low cost
- **Optimize Plate Utilization:** Plate discard rate kept <2%.



Reliable and Accurate Results

- **High Precision:** Results comparable to large scale and expensive instruments.

Intelligent & Automatic System

- **Fully automatic Operations:** Automatically handles dilution, centrifugation. And QR code scanning to eliminate human errors.
- **Advanced Hardware/Software integration:**
 - * Upgraded Motor ensures stable accurate centrifugation
 - * Built-in diluent instead of reagents, reduces the discarding.
 - * Smart Software



Add sample



Insert Disc and Initiate Testing



Generate Report in 10mins

One-step Operation

	BIOCHEMISTRY & ELECTROLYTES	COAGULATION	IMMUNOFLUORESCENC
Supported Reagents			
Sample	Whole blood, serum, plasma	Whole blood, plasma	Whole blood, serum, plasma, feces, ocular, nasal, and oral swabs
Detection Principle	Turbidimetry, Absorption Spectrometry	Turbidimetry, Absorption Spectrometry	Time-resolved fluorimmunoassay
Testing Time	10min	10min	3-10min
Sample Volume Requirement	100 µL	100 µL	5-80 µL
Reagent Shelf-life	12 months	12 months	24 months
Storage and Transportation		2-30 C	
Automated Centrifugation		Supported	
Instrument Maintenance	Self-check on start-up & periodic manual check		
Size (mm)		280*440*406	
Weight		<20kg	
Language	Chinese, English, Compatible for other languages		
Data Port		2 USB & 1 Ethernet port (RJ-45)	
Operating Voltage		AC100-120V or AC200-240V	

Single Tests*	Fructosamine (FRU) Blood Ammonia (NH ₄) Symmetrical Dimethylarginine (SDMA)
9 Electrolyte	Acidity (pH) Inorganic Phosphorus (PHOS) Potassium (K ⁺) Carbon Dioxide (tCO ₂) Sodium (Na ⁺) Total Calcium (tCa) Magnesium (Mg ²⁺) Chloride (Cl) Sodium-potassium Ratio (Na ⁺ /K ⁺)
6 Canine Inflammation	Amylase (AMY) Creatinine (CREA) Urea Nitrogen (BUN) Lipase (LPS) BUN/Creatinine Ratio (B/C) Canine C-reactive Protein (cCRP)
12 Feline Inflammation	Creatinine (CREA) Albumin (ALB) Lipase (LPS) Total Bile Acid (TBA) BUN/Creatinine Ratio (B/C) Alkaline Phosphatase (ALP) Urea Nitrogen (BUN) Glutamytransferase (GGT) Total Protein (TP) Albumin-globulin Ratio (A/G) Globulin (GLOB) Feline Serum Amyloid A (fSAA)
12 Non-traditional Pets Diagnostics	Uric Acid (UA) Glucose (GLU) Total Calcium (tCa) Potassium (K ⁺) Albumin (ALB) Total Protein (TP) Albumin/Globulin Ratio (A/G) Total Bile Acid (TBA) Sodium (Na ⁺) Phosphorus (PHOS) Globulin (GLOB) Aspartate Aminotransferase (AST) Sodium/Potassium Ratio (Na ⁺ /K ⁺)



BIOCHEMISTRY	
10 Health Check	Total Protein (TP), Albumin (ALB), Globulin (GLOB) Albumin-globulin Ratio (A/G), BUN/Creatinine Ratio (B/C) Blood Urea Nitrogen (BUN), Creatinine (CREA) Alanine Aminotransferase (ALT), Alkaline Phosphatase (ALP) Glucose (GLU)
16 Comprehensive Diagnostics	Total Protein (TP), Albumin (ALB), Globulin (GLOB) Albumin-globulin Ratio (A/G), BUN/Creatinine Ratio (B/C) Blood Urea Nitrogen (BUN), Creatinine (CREA) Alanine Aminotransferase (ALT), Aspartate Aminotransferase (AST) Glucose (GLU), Triglyceride (TG), Total Bilirubin (TBIL) Total Calcium (tCa), Inorganic Phosphorus (PHOS) Amylase (AMY), Creatine Kinase (CK)
24 Comprehensive Diagnostics	Total Protein (TP), Albumin (ALB), Globulin (GLOB) Albumin-globulin Ratio (A/G), BUN/Creatinine Ratio (B/C) Blood Urea Nitrogen (BUN), Creatinine (CREA), Uric Acid (UA) Alanine Aminotransferase (ALT), Aspartate Aminotransferase (AST) Alkaline Phosphatase (ALP), Total Bile Acid (TBA), Glutamytransferase (GGT) Glucose (GLU), Triglyceride (TG), Total Bilirubin (TBIL) Total Calcium (tCa), Inorganic Phosphorus (PHOS), Carbon Dioxide (tCO ₂) Amylase (AMY), Creatine Kinase (CK) Total Cholesterol (TC), Lipase (LPS), Lactate Dehydrogenase (LDH)
7 Kidney Function	Potassium (K ⁺), Creatinine (CREA) Urea Nitrogen (BUN), Inorganic Phosphorus (PHOS) Total Calcium (tCa), BUN/CREatinine Ratio (B/C), Uric Acid (UA)
11 Liver Function	Albumin (ALB), Total Protein (TP) Total Bilirubin (TBIL), Alkaline Phosphatase (ALP) Total Cholesterol (TC), Albumin-globulin Ratio (A/G) Globulin (GLOB), Total Bile Acid (TBA), Glutamytransferase (GGT) Aspartate Aminotransferase (AST), Alanine Aminotransferase (ALT)
9 Diabetes*	Fructosamine (FRU), Total Cholesterol (TC), Lactic Acid (LAC) Glucose (GLU), Triglyceride (TG), Amylase (AMY) Aspartate Aminotransferase (AST), Alanine Aminotransferase (ALT) Lipase (LPS)

COAGULATION	
4 Coagulation	Activated Partial Thromboplastin Time (APTT) Prothrombin Time (PT) Fibrinogen (FIB) Thrombin Time (TT)

IMMUNOFLUORESCENCE	
Immunity	Feline Triple Antibody (FPV ab + FHV ab + FCV ab) Canine Triple Antibody (CDV ab + CPV ab + CAV ab) Feline Parvulopenia Virus Antigen (FPV ab)
Infectious Diseases	Canine Distemper Virus Antigen (CDV ag) Canine Parvovirus Antigen (CPV ag) Canine Coronavirus Antigen (CCV ag) Feline Parvovirus Antigen (FPV ag) Feline Coronavirus Antigen (FCoV ag) Helicobacter Pylori (HP) Stray cat check package: FIV ab + FeLV ag Feline calicivirus antigen+Feline herpesvirus antigen (FCVag+FHVag)
Inflammatory	Canine C-reactive Protein (cCRP) Feline Serum Amyloid A (fSAA)
Cardiac	Canine NT-proBNP (cNT-ProBNP) Feline NT-proBNP (fNT-ProBNP) Canine Troponin I (cTnI) Feline Troponin I (fTnI) Canine Cardiac Checkup Package (cNT-ProBNP + cTnI) Feline Cardiac Checkup Package (fNT-ProBNP + fTnI) Troponin I (TnI) N-terminal pro B-type natriuretic peptide (NT-proBNP)
PanCREtIC	Canine PanCREtIC Specific Lipase (cPL) Feline PanCREs Specific Lipase (fPL)
Kidney*	Canine/Feline Cystatin C (cCys-C/ fCys-C)
Endocrine*	Canine Thyroid Stimulating Hormone (cTSH) Canine/Feline tetraiodothyronine (T ₄)
Reproductive*	Canine Progesterone (cProg)
Thrombus Biomarkers*	Canine/feline D-dimer (D-dimer)

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