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KHB
KEHUA BIOTECH

Focus
Biotechnology



FOCUS PEGASUS MF200
Automatic Multifunctional Veterinary Analyzer

Biochemistry | Electrolytes | Coagulation | Immunofluorescence

FOCUS PEGASUS MF200

Automatic Multifunctional Veterinary Analyzer



Comprehensive & Versatile Testing

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



Animal-friendly & Cost-Effective

- **Minimal Sample Volume:** No more than 100 µL of blood per test combo for fast, safe sampling.
- **Low Reagent Consumption:** Lowers costs while maintaining accuracy.
- **Optimized Plate Utilization:** Plate discard rate kept below 2% under standard conditions.



Reliable & Accurate Results

- **High Precision:** Results comparable to those from major hospitals and clinical labs equipped with large-scale instruments.



Intelligent & Automated System

- **Fully Automated Operations:** Automatically handles dilution, centrifugation, and QR code scanning to eliminate manual intervention and reduce human error.
- **Advanced Hardware & Software Integration:**
 - Upgraded motor ensures stable, accurate centrifugation.
 - Built-in diluent instead of reagents, reduces the discarding rate compared to the reagent with built-in diluent.
 - Smart software monitors diluent levels, reports system errors, and exchanges data with computer software.



Focus MF200 One-step Operation



Professional & Customizable Software

Information can be entered or changed flexibly during tests

Species can be added and stored in the system, specific reference ranges can be edited and set accordingly

Customizable Report Template

- Flexibly add or remove report modules and insert your logo.
- The PDF report is automatically generated and is printable.

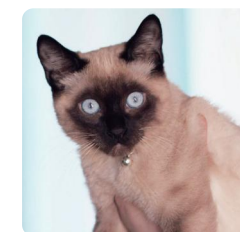
Veterinarians may need different reference range values and different tested species. MF200 software is highly customizable to support professional testing requirements.

Smart System






Test Menu

Add/Delete Species
Edit Reference Ranges



MF 200 Parameter Specification

	BIOCHEMISTRY & ELECTROLYTES	COAGULATION	IMMUNOFLUORESCENCE
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 fluoroimmunoassay
Testing Time	10min	10min	3-10min
Sample Volume Requirement	100 μ L	100 μ L	5-80 μ L
Reagent Shelf-life	12 months	12 months	24 months
Storage and Transportation	2-30 $^{\circ}$ 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		

MF 200 Test Menu

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), Glutamyltransferase (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), Glutamyltransferase (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)

Single Tests*	Fructosamine (FRU) Blood Ammonia (NH ₃) 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) Glutamyltransferase (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 ⁺)

COAGULATION

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

Immunity	Feline Triple Antibody (FPV ab + FHV ab + FCV ab) Canine Triple Antibody (CDV ab + CPV ab + CAV ab) Feline Panleukopenia 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 + FeIV 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)

*Coming Soon