



Innovation for Every Life 



AC-V600

Automatic Biochemistry Analyzer



Multi-Functional



Fully Automated Operation



All-in-One Compact Design

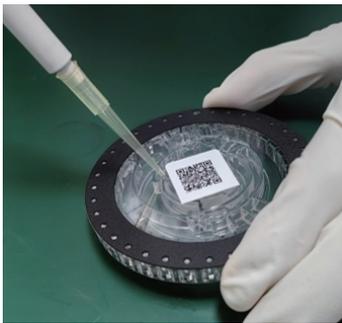


High-Precision Microfluidic Technology

Our microfluidic-based analyzer integrates biochemistry, electrolyte, and immunoassay testing into a single, streamlined system. This consolidated solution supports customization for diverse veterinary clinical needs.

Easy Operation

sample in-result out within 8-12 minutes



Add 90µL Serum/plasma / whole blood



Insert disc

Test Report						
Client Name:	Sex:	Microchip:	Contact Info:	0842373		
Breed:	Gender:	Unknown	Age:	2 Year(s)		
Sample Type:	Whole Blood	Sample ID:	081	Test Time:	2023-01-09 09:01:13	
Test Name: 10-Parameter Test Parameters						
ID#	Test Name	Result	Ref Range	Units		
1	TP	Total Protein	0.2	0.2 - 2.5	g/dL	
2	ALB	Albumin	0	0 - 3	g/L	
3	ALT	Alanine Aminotransferase	0	0 - 3	U/L	
4	ALP	Alkaline Phosphatase	0	0 - 3	U/L	
5	CREA	Creatinine	---	0.1 - 1.2	mg/dL	
6	BUN	Blood Urea Nitrogen	0.00	0.10 - 2.00	mg/dL	
7	B/C*	Urinary Albumin Creatinine Ratio	---	0.100 - 2.500		
8	CS	Creatinine Clearance	0	0 - 3	uL/min	
9	GLU	Blood Glucose	0.00	0.10 - 2.00	mg/dL	
10	LDH	Lactate Dehydrogenase	---	0 - 3	U/L	

Testing Physician: _____ Reviewing Physician: _____ Report Time: 2023-01-09 09:04:13
 Note: This report is only responsible for the specimen. The results are for reference only. Please combine with clinical practice. [TrackSource](#)

Print test report

Features of AC-V600

• Integrated Multi-Assay Capability

All-in-one POCT analyzer combining biochemical, electrolyte, and immunological testing

• Engineered With Precision Microfluidics

Enables lab-standard performance, delivering accurate and reliable results

• Advanced Optical System With 10-Year Of Service Life

Design for strong anti-interference and durability, ensuring consistent performance

• Full-Automatic Detection

Featuring built-in QR code calibration and automatic pre-dilution, it provides sample in-result out workflow

• Benchtop Design

The integrated, space-saving analyzer is friendly for vet clinics, labs and transportation

• Quick Printing

Feature a built-in thermal printer for on-the-spot results, or connection with PC for quick printing

• Flexible Data Management

Easily transfer or save data through USB or Wi-Fi connection



Sample Type	Heparinized whole blood (capillary or venous), plasma or serum
Sample Volume	90-120 μ L
Analysis Time	10 minutes
Principle	Spectrophotometry
Reagent Identification	Automatic QR code recognition
Light Source	Long-life LED lamp
Optical System	Non-dispersion, independent light source. Wavelengths: 340nm, 405nm, 450nm, 505nm, 546nm, 600nm, 630nm, 700nm
Temperature	37°C \pm 0.3°C
Sensitivity	0.005 Abs
Data Storage Capacity	500,000 records
Printer	Built-in thermal printer, multiple report template formats support
Operating Environment	Temperature: 10°C to 35°C. Humidity: 30% to 85% (non-condensing)
Power Supply	AC 220V, 50Hz
Interface	8-inch capacitive touchscreen (Linux OS), multi-language support
Dimensions (W \times D \times H)	163 mm \times 263 mm \times 287 mm
Weight	5.3 kg

Features of Reagent Disc



Microfluidic-based Detection & Highly Convenient



Animal-Friendly

Minimum sample volume is 90 μ L (whole blood)



Enclosed Discs Pre-Loaded With Lyophilized Reagents

Enable convenient and stable storage and transportation



Intuitive & User-Friendly Interface

The integrated touchscreen interface allows for simple operation without PC



Built-In Diluent System

Feature an integrated diluent system with pure water



Efficient & Automatic

Fully integrated automation-Incorporates sample loading, centrifugation, and reagent mixing on a single disc, delivering accurate results in 8-12 minutes and enabling multi-parameter testing from one sample

We offer many test menus covering different panels - tailored for varied diagnostic applications. Leveraging advanced microfluidic technology, each disc automates the entire process - delivering rapid, accurate, and multi-parameter diagnostic results.

Test Menu	Panel	Test Item
Blood Ammonia	1	NH ₃
Blood Gas	12	BUN, Ca ²⁺ , Cl ⁻ , CREA, GLU, K ⁺ , LAC, Mg ²⁺ , Na ⁺ , pH, PHOS, tCO ₂
Canine Inflammation	6	AMY, BUN, BUN/CRE, CREA, CRP, LPS
Comprehensive Diagnostic	24	ALB/GLOB, ALB, ALT, ALP, AST, AMY, CREA, BUN, BUN/CRE, Ca ²⁺ , CK, CHOL, GGT, GLOB, GLU, LDH, LPS, PHOS, TBA, TBIL, tCO ₂ , TG, TP, UA
Diabetes	9	ALT, AMY, AST, CHOL, FRU, GLU, LAC, LPS, TG
Exotic Pet	12	ALB, AST, Ca ²⁺ , CK, GLOB, GLU, K ⁺ , Na ⁺ , PHOS, TBA, TP UA
Feline Inflammation	12	ALB/GLOB, ALB, ALP, BUN, BUN/CRE, CREA, GGT, GLOB, LPS, TBA, TP, SAA
Health Check	17	ALB/GLOB, ALB, ALP, ALT, AMY, BUN, BUN/CRE, Ca ²⁺ , CHOL, CREA, GGT, GLOB, GLU, LPS, PHOS, TBIL, TP
Kidney Function	8	BUN, BUN/CRE, Ca ²⁺ , CREA, K ⁺ , PHOS, SDMA, UA
Liver and Kidney Function	13	ALB/GLOB, ALB, ALT, AST, BUN, BUN/CRE, CREA, GGT, GLOB, GLU, TBIL, TP, SDMA
Liver Function	11	ALB/GLOB, ALB, ALT, ALP, AST, CHOL, GGT, GLOB, TBA, TBIL, TP
Pre-anesthetic	10	ALP, ALT, AST, BUN, BUN/CRE, CK, CREA, GLU, LDH, TP

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