



BM-10Vet

Multifunctional
Morphological Analyzer



Multi-sample
multi-species versatility



Comprehensive counting
and morphology in one test



Space-efficient design
for maximum utility



Maintenance-free: no liquids
no cleaning required



Streamlined interface
for effortless operation

BM-10Vet

Multifunctional Morphological Analyzer

All-in-One Multi-Species Multi-Sample Analyzer

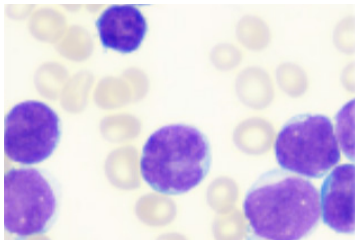
3 Core technology

- Liquid-based Staining Technology
Microfluidic Technology
- Microscopic Imaging Technology
- Intelligent software system



Liquid-based Staining Technology Microfluidic Technology

Targeted staining the nucleic acid in the cells
Variable-thickness detection zones balancing capture
efficiency and repeatable results
Fast sedimentation and accurate counting



Microscopic Imaging Technology

Advanced image processing algorithm
High-Resolution sensor
Sub-micron level cell structure details



Intelligent software system

Auxiliary identification and accurate interpretation
Cloud service system supports remote diagnosis function
Integrate AI technology to continuously improve recognition capabilities



Pioneer in Pet Medical Diagnostics



 Automatic staining 01

02 Automated Microfluidic
Slide Preparation 

 Automatically capture
thousands of images 03

04 AI-powered
intelligent recognition 

 Automated report
generation 05

Automated report generation

Hand-free from specimen loading and manual focusing
Automatic report review to reduce professional dependence

BLOOD

AI Blood Smear Analysis

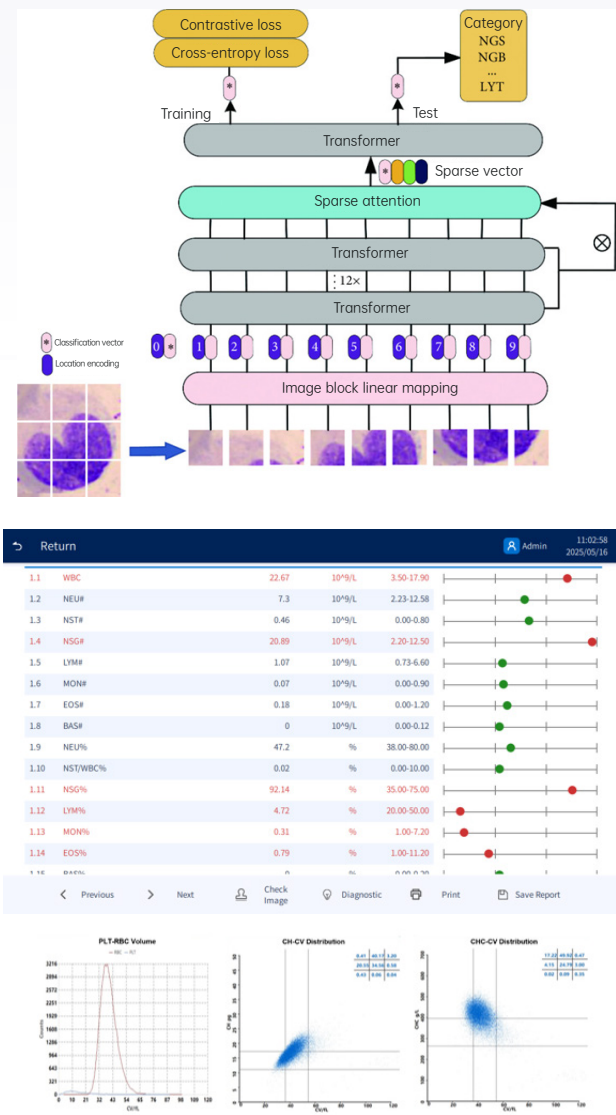
Additional Parameters

Blood: 43 parameters + 19 types of cell images + 3 histograms and scattergram
Micro-volume blood collection, instant imaging of 200,000–500,000 cells, and complete test report generation
Nanometer-precision optical system for rapid multi-field acquisition

Higher Accuracy

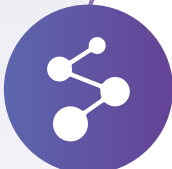
ViT-based AI network, achieves >90% recognition rate
Avoid interference caused by nuclear left shift and platelet aggregation

Supports blood cell counting and morphological identification.



FECES

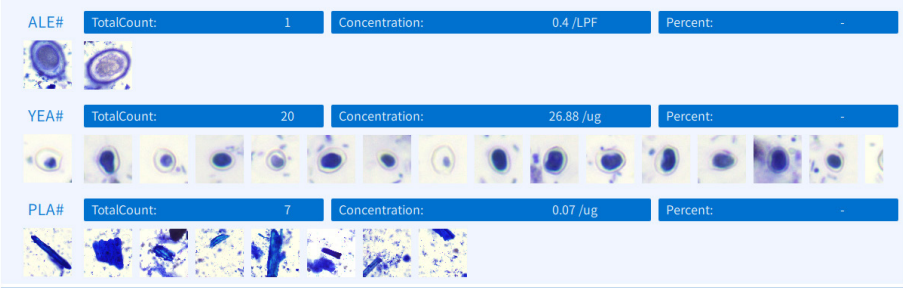
One test, total care



Red Blood Cell Morphological Features
Parasite egg and parasite identification
Bacterial morphological classification

Feces: 39 parameters + 5 types of sediment images

1.7	TTA#	0	/LPF	0-0	
1.8	CAP#	0	/LPF	0-0	
1.9	EGB#	0	/LPF	0-0	
1.10	TRI#	0	/LPF	0-0	
1.11	FLA#	0	/LPF	0-0	
1.12	COD#	0	/LPF	0-0	
1.13	COD1#	0	/LPF	0-0	
1.14	COD2#	0	/LPF	0-0	
1.15	COD3#	0	/LPF	0-0	
1.16	COD4#	0	/LPF	0-0	
1.17	TRE1#	0	/LPF	0-0	
1.18	TRE2#	0	/LPF	0-0	
1.19	TRE3#	0	/LPF	0-0	
1.20	TGI#	0	/LPF	0-0	
2.1	COS#	0.11	/ug	145-729	
2.2	BAC1#	47454.4	/ug	510-13904	
2.3	SBAC#	40781.6	/ug	321-12462	
2.4	CBAC#	1349.2	/ug	15-1650	
2.5	TBAC#	5323.66	/ug	0-185	
2.6	C/B	0	%	0.017-0.056	
2.7	CAM#	0	/ug	0-30	
2.8	BAC#	192.04	/ug	0-40	
2.9	SS1#	0	/ug	0-0	
2.10	SS2#	0	/ug	0-0	
2.11	YEA#	26.88	/ug	0-150	
2.12	LEP#	0	/ug	0-0	



Hospital Tel: 093-23245112
Hospital Address: The street of seven star Number 153
Laboratory Physician: Anderson
Inspection Time: 2024/12/05 09:43:22
This test result is only responsible for this sample

URINE

High-Efficiency Urine Sediment Examination



Ultra-high precision

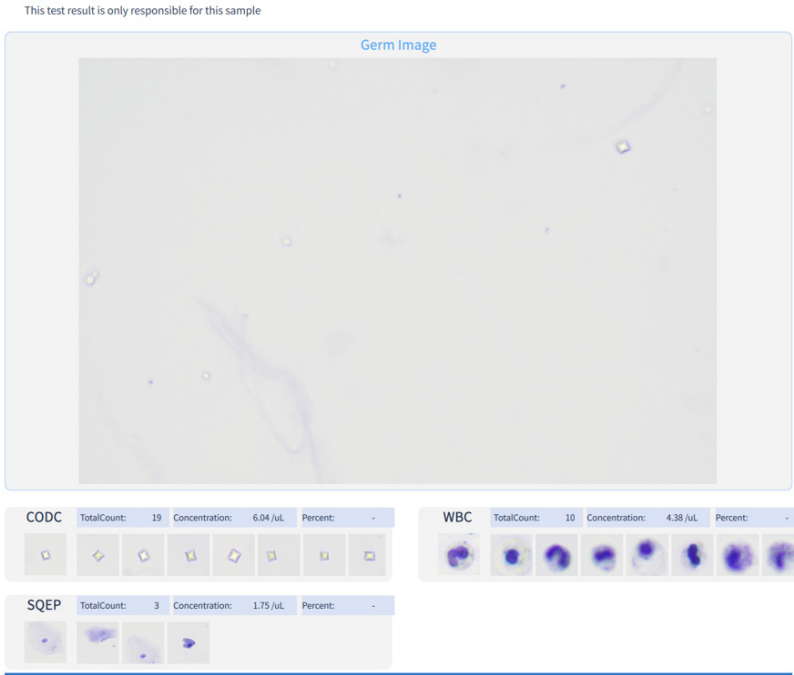
- Real-time high-resolution image acquisition with synchronous segmentation processing
- Capable of identifying up to 21 formed elements



Minimal time

- Rapid testing in just 15 seconds
- Fully automated report generation—zero manual intervention

1-Crystals					
Item Name	Result(/uL)	Result(/HPF)	Range	Neg.	Weakly Pos.
1.1 COMC	0	/uL	0-0		
1.2 CODC	6.04	/uL	0-3		
1.3 URIC	0	/uL	0-0		
1.4 MAPC	0	/uL	0-5		
1.5 CPC	0	/uL	0-0		
1.6 CYSC	0	/uL	0-0		
2-TubeType					
Item Name	Result(/uL)	Result(/LPF)	Range	Neg.	Weakly Pos.
2.1 HYA	0	/uL	0-0.8		
2.2 CEC	0	/uL	0-0		
2.3 GRA	0	/uL	0-0		
2.4 WAC	0	/uL	0-0		
3-Microorganisms, cells, and others					
Item Name	Result(/uL)	Result(/HPF)	Range	Neg.	Weakly Pos.
3.1 RBC	0	/uL	0-25		
3.2 DRBC	0	/uL	0-5		
3.3 WBC	4.38	/uL	0-25		
3.4 SQEP	1.75	/uL	0-1		
3.5 REP	0	/uL	0-0		
3.6 NEC	0	/uL	0-3		
3.7 BAC	0	/uL	0-0		
3.8 COCC	0	/uL	0-0		
3.9 FUN	0	/uL	0-0		
3.10 SPM	0	/uL	0-0		
4-Others					
Item Name	Result(/uL)	Result(/LPF/HPF)	Range	Neg.	Weakly Pos.
4.1 PHL	0	/uL	0-0		
4.2 FAT	0	/uL	0-0		



- **Species**
Mammals: Dogs, Cats, Rabbits, Chinchillas, House Mice, Hamsters, Ferrets, Guinea Pigs, and Other.Reptiles, Birds
- **Parameters**
Blood: 43 parameters + 19 types of cell images + 3 histograms and scattergram
Feces: 39 parameters + 5 types of sediment images
Urine: 21 types of sediment images and parameters + RBC volume histogram
Body Fluid: 11 reportable parameters + 14 research parameters + RBC volume histogram
- **Principles**
Liquid-based Staining Technology
Microfluidic Technology
AI Intelligent Image Recognition
Microscopic Imaging Technology
- **Consumables**
10/20 Tests/kit:
Blood analysis kit (Microfluidic counting board, Blood dye)
Feces analysis kit (Microfluidic counting board, Diluent, Feces dye)
Urine analysis kit (Microfluidic counting board, Urine dye)
BF analysis kit (Microfluidic counting board, BF dye)
- **Image Quality**
Camera pixel 3088 x 2064 (6.3 million pixels)
- **Throughput**
Blood/Body fluid sample test in 6 minutes
Urine/feces sample test in 8 minutes
- **Test Mode**
Blood, Feces, Urine, Body fluid
- **Sample Volume**
Blood sample≤10μL; Urine sample≤100μL;
Feces sample≤10g; Body fluid sample≤10μL
- **Operation System**
Internal 12.1-inch touch screen
- **Dimension**
308mm(W)x350mm(D)x420mm(H),17.5kg

