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Veterinary EQUIPMENT 2017

LEGISLATIVE EQUIPMENT 2017

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Welcome to ACCULAB Group

ACCULAB® Group established in January 2014 as a result of merger between two big international companies ACCUMED and NEWLAB , Which had a long 20 years of experience in manufacturing Laboratory and Medical equipment.

ACCULAB® is based in NY, USA and Montreal, Canada and it manufactures wide range of products.

ACCULAB® Canada specializes in the fields of: Medical, Dental, Histopathology, Molecular biology and Pharmaceutical Equipments.

ACCULAB® USA specializes in the fields of : General Laboratory, Agriculture, Food, Veterinary, Environmental, Industry and Petroleum Equipments.

ACCULAB® Group and its employees are committed to company values in customer service, innovative and entrepreneurial spirit, accuracy, trustworthiness and integrity.

Sold worldwide under the trade name ACCULAB®, Our research and development team has a strong background in fundamental sciences with a focus on continuous improvements in the technology and provision of solutions for the benefit of the Research Community.

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Automated Hematology Analyzer AHA-2500VET



Characteristics

- Large color LCD display & Linux operation system
- Support USB data backup & system upgrade
- Excellent data management
- High efficient self-checking system, less maintenance
- Support LIS and HIS with HL7 protocol

Specification

Model	AHA-2500VET		
Parameters	WBC, LY#, MID#, GRAN#, LY%, MID%, GRAN%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, 3-part differentiation of WBC, 21 parameters and 3 histograms		
Principles of operation	WBC/RBC/PLT: Electrical Impedance HGB: Photoelectric colorimetric		
Aspiration Volume	Whole blood 10uL, Pre-diluted 20uL		
Aperture Diameter	WBC/RBC/PLT 80um		
Throughput	30 samples per hour		
Data storage	More than 100,000 sample results with histograms		
Display	10.4 inches color LCD		
Alarms	Error messages		
Dilution Ratio		Whole blood	Capillary blood
	WBC/HGB	1:232	1:400
	RBC/PLT	1:40000	1:45000
Control and calibration	L-J, X, X-R, X-B four control modes, manual		
Power requirement	AC 100V --- 240V, 50/60Hz, 180W		
Input/ Output	Support RS232, standard network port and USB Shortcut keys Internal 57mm thermal with standard mouse and keyboard, printer, Parallel Port and USB for external printer		

Automated Hematology Analyzer AHA-3000VET



Features

- Large color LCD display & Linux operation system
- Support USB data backup & system upgrade
- Excellent data management with mouse and keyboard
- High efficient self-checking system, low maintenance
- Support LIS and HIS with HL7 protocol
- Collaborator of BIO-RAD control ,target value

Specification

Parameters	WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC, HGB,HCT, MCV, MCH, MCHC,RDW-CV, RDW-SD, PLT, MPV, PDW, PCT,P-LCR,P-LCC 3-part differentiation of WBC, 21 parameters and 3 histograms		
Principles of operation	WBC/RBC/PLT: Electrical Impedance HGB: Photoelectric colorimetry		
Aspiration Volume	Whole blood 10uL,Pre-diluted 20uL		
Aperture Diameter	WBC 100um,RBC/PLT 68um		
Throughput	60 samples per hour		
Data storage	More than 100,000 sample results with histograms		
Display	10.4 inches color LCD		
Alarms	Error messages		
Dilution Ration		Whole blood	Capillary blood
	WBC/HGB	1:232	1:400
	RBC/PLT	1:40000	1:45000
Control and calibration	L-,J,X-R,X-B four control modes ,manual and auto-Calibration System check		
Dimension	330mm x 440mm x 500mm		
Power requirement	AC 100V --- 240V, 50/60Hz, 180W		
Input/ Output	Support RS232, standard network port and USB Shortcut keys with Internal 57mm thermal printer, Parallel standard mouse and keyboard, Port and USB for external printe		

Automated Hematology Analyzer AHA-5000VET



Ordering information's

Laser light multi-dimensional cell classification Resistant RBC mode
WIC and WOC for WBC counting Up to 60 samples per hour throughput
WBC 5 part diff with sheath reagent only Support both whole blood and capillary blood samples Four reagents for 25 parameters

Semi-conductor laser

URIT-5250 Auto Hematology Analyzer uses semi-conductor laser for the flow cytometer system. Through calculations of different angles via laser scatters, the instrument provides complete analysis including cell size, granularity and complexity.

One channel give complete differentiate WBC

URIT-5250 counts lymphocyte, monocyte, neutrophil, eosinophil and basophil in WOC channel.

3D stereograms

Not only scatter grams but also 3D stereograms are provided by Urit-5250 that the WBC differentiation would be presented on different views.

Specification

Model	AHA-5000VET
28 parameters	WBC,LYM%,MON%,NEU%,EOS%,BASO%,LYM#,MON#,NEU#,EOS#,BAS#,RBC,HGB, HCT,MCV,MCH,MCHC,RDW_CV,RDW_SD,PLT,MPV,PDW,PCT,P_LCR,P_LCC, RETIC_ABS,RETIC, IRF 2 Histograms for RBC and PLT 2 Scatter grams: 5-part differential scatter gram Eosinophils and Moutrophils scatter gram 2 3-D stereograms
Principles of operation	WBC/DIFF: Flow Cytometry, Laser light multi-dimensional cell classification WBC Analysis: Optical and impedance measurements RBC/PLT Analysis: Impedance method HGB test: Cyanide-free reagent colorimetry
Reagent	Diluent, Sheath, Detergent ,Lyse
Sampling modes	Whole blood : 20µL Pre-diluent : 20µL
Aperture Diameter	WBC 100µm, RBC/PLT 68µm
Throughput	Whole blood : up to 60 samples per hour Pre-diluent : up to 60 samples per hour
Data storage	Up to 200,000 sample results with grams
Alarms	Error messages
Display	PC display (17 inch color TFT)
Dimension	598.5MM(L)×585.5MM(W)×488.5MM(H)
Power	220V,50/60Hz 600VA
Weigh	70kg

B-Ultrasound Diagnostic System USD-1000VET



Features

USD-1000VET is a notebook veterinary ultrasound diagnostic system. Its Embedded operation system greatly improves the product performance, achieving stronger data process ability and fast process speed. Pop-up menu and keyboard design bring more convenient to users. The device is applicable to the measurement and calculation of the obstetric for swine, bovine, sheep, equine, cat, dog and other animals.

Specifications

- Simple and easy image management function, reports can be printed and output.
- Near field, far field and total gain can be adjusted separately.
- External storage function.
- Software is updated through U-disk.
- Can be connected with video printer, ink-jet printer, laser printer.
- Realizing image real-time, freeze, memory, calling up and large capacity cine loop; possessing functions such as multi-level scanning depth, dynamic range, focus number, focus distance, focus position adjusting, etc.

Chemistry Analyzer - Fully Automatic ABA-200VET



Features

A ultimate performance with quality and efficiency for animals

200 tests per hour.
Collision protection.
High accurate optical system.
24-hour non-stop cooling system.
Support lis interface.

Ergonomics Software

Species for animals.
Dynamic and real time display of running status.

Multi- function Sample/ Reagent Tray

60 reagent positions, 71 sample positions Including 55 sample positions, 8 calibration positions 4 STAT positions, QC positions,
Up to 20 virtual sample tray can be programmed.
24 hours non-stop cooling system.

High Performance Mixer Design

Absence of cross contamination,
Optimal homogenization in minimum time,

Accurate Sampling

Collision protection.
Liquid level detection.
Internal and external probe washing,
High quality stepping motor, with minimum 0.1ul increment.

Stable Optical system

Close ,static state optical system.
Spot photometry with high speed digital transmission system.

Specification

Assay Method	End Point, Kinetic, fix time etc.
Principle	Photoelectric colorimetry
Light Source	Halogen lamp 12V/20W
Photometry Range	0~3.2Abs
Resolution	0.0001 Abs
Wavelength	10 Wavelength options (340nm,405nm,492nm,510nm,546nm,578nm,630nm,700nm,800nm)
Throughput	200tests/hour
Structure	1probe and 1 mixer
Reagent Tray	59 reagent position , 1 detergent position
Sample Tray	71 position ,including 55 Sample position,8 positions for calibration, 4 positions for OC and 4 positions for STAT
Reaction Tray	120 reaction cuvettes
Sample Volume	2~100ul, with 0.1ul increment
Reagent Volume	R1:10~500ul,R2: 10~500ul,with 0.5ul increment
Minimum Reaction Volume	150ul
Water Consumption	6L/hour under working status
Clean Unit	8.step auto -washing system with detergent and water
Temperature Control	Incubator 37±0.1°C
Operation Environment	Temperature: 10~30 °C Relative humidity: ≤ 85% Atmospheric pressure : 86~106kPa

Chemistry Analyzer - Fully Automatic
SAC-80VET



Features

- Friendly operation with 7 inch colorful touch screen
- Powerful Software, large memory capacity
- High-quality filters & close optical system
- Convenient maintenance design

Integrated system IDS-7000VET



Features

- Patented integrated design (combining monitor and exam tools) to make our products unique
- Compact design and wall-mounted to save space
- Customized and user-friendly software, easy to operate
- Remote controller to help you improve efficiency
- Comprehensive necessary exam tools to meet your needs of clinical work
- Be compatible with various accessories to make the best use of it

DS-7000VET Integrated Diagnostic Systems (Wall-mounted) improves your work flow and enhance clinical decision-making.

Features

Integrated system IDS-9000VET



Integrated Diagnostic System (wall-mounted)

- Blood Pressure, SpO2, Temp, Pulse, Otoscope, Ophthalmoscope, Hammer, Nasal examination, Visual test, Color-blind test
- General clinic information technology solution
- Wide angle detection
- Detachable disinfection
- Combination design
- Support blue tooth

Urine Analyzer UAZ-20VET



Features

- Point – of –care urinalysis with palm –sized feather weight units
- Bluetooth technology for wireless printing and data transfer
- LCD colored touch –screen
- Single button easy operation
- Recharge , transfer data and upgrade ,all with Micro USB cable
- Compatible with URIT 10G,11G AND 14 G urine reagent strips

Specification

Model	UAZ-20VET
Parameters	PH, Nitrite, Specific Gravity, Blood , Urobilinogen , Ketone, Glucose, Micro albumin , Calcium Bilirubin, Leucocyte, Protein, Ascorbic Acid , Micro albumin , CalciumCreatinine
Measurement Principle	Dual wavelength reflectance method
Measurement Wavelength	4 LED wavelength (470,550,620,720 nm)
Sample Preparation	Manual dipping
Reaction time	60 seconds per test
Data memory	Up to 1000 samples
Display	LCD Colored touch – screen
Strips	URIT 10G/11G(14G optional)urine reagent strips
interface	Micro USB, Bluetooth
Work condition	Environmental temperature 5-40°C, RH:20%~80%
Power supply	Power adapter 9V DC,1.5A
Dimension	120(L)X83(W)X31(H) mm (analyzer) 110(L)X80(W)X38(H) mm (printer)
Weight	180g(analyzer), 180g (printer)

Urine Analyzer
UAZ-50VET



Features

- Cold light source facility with long life and high stability
- Internal thermal printer
- Easy operation, cost-efficiency and high quality
- Rs232 serial interface to host PC/LIS, Barcode reader optional
- ·URIT UQ-10 & UQ-11 Urinalysis Control
- URIT 10G、11G
- urine reagent strip
- Complete urine analysis with Ascorbic Acid

Specification

Model	UAZ-50VET
Parameters	pH, Nitrite, Specific Gravity, Ascorbic Acid, Blood, Glucose, Bilirubin, Urobilinogen Ketone, Leucocytes, ·Protein,Calcinm
Measurement Principle	Dual wavelength reflectance method
Measurement Wavelength	3 LED Wavelength (550,620,720nm)
Sample Preparation	Manual dipping
Reaction time	60 seconds per test
Throughput	Normal mode, 60 samples /hour
	Continuous mode, 125 samples /hour
Memory capacity	5000 results
Display	LCD Colored touch – screen
Strips	URIT 10G /11G urine reagent strips
interface	·(Serial port(RS232), parallel port (For external printer
	PS/2(For barcode reader
Work condition	Environmental Temperature: 15-30°C, RH: 20%~80%
Power supply	Adopter 12V DC, 4.0A
Dimension	290mm x 200mm x 100mm
Weight	2kg