VET AXCEL® CHEMISTRY ANALYZER TEST MENU

Reagents are available to run the following assays:

Routine Chemistry Assays

Albumin (ALB)
Albumin/Globulin (ALB/GLOB)*
Blood Urea Nitrogen (BUN)
Blood Urea Nitrogen/Creatinine (BUN/CREAT)*
Calcium (Ca++)
Carbon Dioxide (CO_2)
Creatinine (CREAT)
Direct Bilirubin (DBILI)
Globulin (Total Protein-Albumin) (GLOB)*
Glucose (GLU)
Inorganic Phosphorous (PHOS)
Magnesium (Mg++)
Total Bilirubin (TBILI)
Total Protein (TP)
Uric Acid (UA)

Enzyme Assays

Alanine Aminotransferase (ALT)
Alkaline Phosphatase (ALP)
Amylase (AMYL)
Aspartate Aminotransferase (AST)
Creatine Kinase (CK)
Gamma-Glutamyl Transferase (GGT)
Lactate Dehydrogenase (LDH)
Lipase (LIP)

Lipid Assays

Cholesterol (CHOL)
Triglycerides (TRIG)

Thyroid Assay

Total Thyroxine (T4)

Specialty Assays

Bile Acids (BILEAC)**
Direct TIBC (TIBC)
Ferritin (FERITN)
Hemoglobin A1c (A1c)
High Density Lipoprotein Cholesterol (HDL-C)
Iron (TIRON)
Low Density Lipoprotein Cholesterol (LDL-C)

Electrolyte Assays

Chloride (Cl-)
Potassium (K+)
Sodium (Na+)
Sodium/Potassium (Na+/K+)*

Additional assays are available via open channels.

*Derived tests

**For veterinary and research/ investigational use only. Not for use in diagnostic procedures.

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VET AXCEL® Chemistry Analyzer

Technical Specifications

Operative Method: Random Access, Continuous Random Access

Type: Discrete

Assay Method: Photometry, Potentiometry, Turbidimetric/Homogeneous EIA

Assay Types: Final Point, Delta (two-point), Slope (factor or calibrated), Quadratic

ISE Module: Sodium, Potassium, Chloride

Test Modes: Batch, STAT

Number of Different Assays Measured Onboard Simultaneously: 40

Speed: Up to 165 Photometric Tests/Hour; 285 Tests/Hour (with ISE)

Sample Rerun and Dilution: Automatic

Calibration and Controls: Automatic

Reagent Compartment Capacity: 40 Bottles (20 with 30 mL capacity; 20 with 12 mL capacity)

Barcode Type: Uniform Symbology Specification 39, Code 128 Set B and Set C, Codabar and Interleaved 2 of 5

Sample Volume: 3 µL (minimum) — 500 µL (maximum)

Dimensions: 33" x 28" x 26" (H x L x D)

Weight: 178 Pounds

For more information or to schedule a demo, please call 1-800-220-4488

Computer Processor: Panel PC with Intel J1900 CPU, 2 GB memory

Solid State Disk Drive: 32 GB

Monitor: 15" XGA with Resistive Touch Screen

Operating System: Windows 7 Embedded

Interface: RS232

Internet Connection: RJ45 Gigabit Ethernet; 802.11 b/g Wireless

Printer: Black and White Laser Printer

Keyboard Type: 103 Key

Error Messages: On Screen

Type: Holographic Diffraction Grating with Diode Array Detector

Linear Range: 0.0000—2.0000 O.D. at 0.67 cm Pathlength

Lamp: Pulsed Xenon

Wavelengths: 340, 378, 408, 447, 486, 505, 515, 525, 544, 554, 573, 592, 610, 629, 647, 692 nm

Pathlength: 0.67 cm

Noise (decibels): 55

Ambient Room Temperature: 15°C (59°F) to 26.7°C (80°F)

Humidity: 20 to 80% RH (non-condensing)

Analytical Temperature: 37°C ± 0.3°C

Reagent Compartment Temperature: 8°C ± 1°C at the reagent sensor
12°C ± 2°C for reagent bottles

Voltage: 100-240 VAC 6 Amps Max — Analyzer; 120 VAC 8 Amps Max — Printer

Current: 20 Amp Circuit Required

Frequency: 47-63 Hz