

ACE AXCEL® CLINICAL CHEMISTRY SYSTEM TEST MENU

Reagents are available to run the following assays:

Hepatic Function

Alanine Aminotransferase (ALT)
Albumin (ALB)
Alkaline Phosphatase (ALP)
Aspartate Aminotransferase (AST)
Conjugated Bilirubin (Direct Bilirubin) (DBILI)
Globulin (Total Protein-Albumin) (GLOB)*
Lactate Dehydrogenase (LDH)
Total Bilirubin (TBILI)

Electrolyte Assays

Calcium (Ca++)
Chloride (Cl-)
Direct TIBC (TIBC)
Magnesium (Mg++)
Potassium (K+)
Sodium (Na+)

Cardiovascular Function

Aspartate Aminotransferase (AST)
Calcium (Ca++)
Carbon Dioxide (CO₂)
Cholesterol (CHOL)
Creatine Kinase (CK)
High Density Lipoprotein Cholesterol (HDL-C)
Iron (TIRON)
Lactate Dehydrogenase (LDH)
Low Density Lipoprotein Cholesterol (LDL-C)
Magnesium (Mg++)
Potassium (K+)
Sodium (Na+)
Triglycerides (TRIG)

Additional assays are available via open channels.

*Derived tests

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

Non-Alcoholic Fatty Liver Disease/Steatohepatitis (NAFLD and NASH) and Diabetes

Alanine Aminotransferase (ALT)
Amylase (AMYL)
Aspartate Aminotransferase (AST)
Cholesterol (CHOL)
Ferritin (FERITN)
Glucose (GLU)
Hemoglobin A1c (A1c)
High Density Lipoprotein Cholesterol (HDL-C)
Lactate Dehydrogenase (LDH)
Lipase (LIP)
Low Density Lipoprotein Cholesterol (LDL-C)
Total Thyroxine (T4)
Triglycerides (TRIG)
Uric Acid (UA)

Cholestatic Liver Disease, Primary Biliary Cirrhosis, and Primary Sclerosing Cholangitis (PBC/PSC/PFIC)

Alanine Aminotransferase (ALT)
Alkaline Phosphatase (ALP)
Bile Acids (BILEAC)**
Conjugated Bilirubin (Direct Bilirubin) (DBILI)
Gamma-Glutamyl Transferase (GGT)
Total Bilirubin (TBILI)

Renal Function and Disease (AKI/CKD/DKD)

Serum Blood Urea Nitrogen (BUN)
Serum Creatinine (CREAT)
Total Protein (TP)

Drug-Induced Liver Injury and Acute Liver Failure (DILI and ALF)

Alanine Aminotransferase (ALT)
Alkaline Phosphatase (ALP)
Aspartate Aminotransferase (AST)
Conjugated Bilirubin (Direct Bilirubin) (DBILI)
Creatine Kinase (CK)
Lactate Dehydrogenase (LDH)
Total Bilirubin (TBILI)

ACE AXCEL[®] Clinical Chemistry System

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 μ L (minimum) —
500 μ L (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: RJ-45 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 \pm 0.3°C

Reagent Compartment Temperature:
8°C \pm 1°C at the reagent sensor;
12°C \pm 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