

Analytical and Assay Core
Vet AXCEL Chemistry Analyzer
Plasma and Serum Assays

Assay	Units	Sample Volume (μl)
Albumin (ALB)	g/dL	6
Alkaline Phosphatase (ALP)	U/L	8
Alanine Aminotransferase (ALT)	U/L	16
Amylase (AMYL)	U/L	6
Aspartate Aminotransferase (AST)	U/L	16
Bilirubin, Direct (DBILI)	mg/dL	14
Bilirubin, Total (TBILI)	mg/dL	14
Blood Urea Nitrogen (BUN)	mg/dL	6
Calcium (CA)	mg/dL	6
Cholesterol (CHOL)	mg/dL	6
Creatine Kinase (CK)	U/L	8
Carbon Dioxide (CO2)	mEq/L	10
Creatinine (CREAT)	mg/dL	24
Direct TIBC	μg/dL	20
Gamma-Glutamyl Transferase (GGT)	U/L	8
Glucose (GLU)	mg/dL	6
HDL-C	mg/dL	6
Inorganic Phosphorus (PHOS)	mg/dL	6
Lactate Dehydrogenase (LDH)	U/L	8
LDL-C	mg/dL	6
Lipase (LIP)	U/L	6
Lipase (LIP)	U/L	6
Magnesium (MG)	mg/dL	6
Total Iron (TIRON)	μg/dL	54
Total Protein (TP)	g/dL	6
Triglycerides (TRIG)	mg/dL	6
Uric Acid (UA)	mg/dL	6

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Urine Assays

<u>Assay</u>	<u>Units</u>	<u>Sample Volume (μl)</u>
Calcium (CAU)	mg/dL	50
Creatinine (CREATU)	mg/dL	50
Inorganic Phosphorous (PHOSU)	mg/dL	15
Urea Nitrogen (UREANU)	mg/dL	10