

Comparative Pathology Laboratory
Department of Pathology • College of Veterinary Medicine • University of Georgia ®

Clinical pathology test				
Serum Chemistry Tests (400 µl serum)	Renal profile	Liver profile	Muscle profile	Lipid profile
Albumin	X	X		
ALP		X		
ALT		X	X	
AST		X	X	
Alb:Glob		X		
Bile acids		X		
BUN	X			
Calcium	X			
Cholesterol		X		X
CK			X	
Chloride/Potassium/Sodium/Bicarbonate	X			
Creatinine	X			
GGT		X		
Globulin	X	X		
Glucose				
LDH			X	
Phosphorus	X			
Total bilirubin				
Direct bilirubin (Conjugated bilirubin)				
Total protein	X	X		
Triglycerides				X
Complete Blood Count (250 µl EDTA-treated whole blood)				
Hematocrit (%)				
Red blood cell count (x10 ⁶ /µl)				
Hemoglobin concentration (g/dl)				
Mean corpuscular volume (mean size of red blood cells, in fl)				
Mean corpuscular hemoglobin (hemoglobin content of red blood cells, in pg)				
Mean corpuscular hemoglobin concentration (hemoglobin concentration within red blood cells, in g/dl)				
Platelets (x10 ³ /µl)				
Mean platelet volume (fl)				
Nucleated red blood cells (/100 White blood cells)				
Reticulocyte (%)				
Absolute reticulocyte count (x10 ³ /µl)				
Red blood cell morphology				
Red blood cell descriptors				
Platelet estimate				
White blood cell count (x10 ³ /µl)				
Segmenter count (x10 ³ /µl)				
Bands count (x10 ³ /µl)				
Lymphocyte count (x10 ³ /µl)				
Monocyte count (x10 ³ /µl)				
Eosinophil count (x10 ³ /µl)				
Basophil count (x10 ³ /µl)				
Other cells (x10 ³ /µl)				

Notes

Blood sample for serum chemistry and CBC can be collected from the animal at the same time, but blood has to be aliquoted into separate tubes: one EDTA tube (purple top) for CBC and one serum separator tube (SST, yellow top) for serum chemistry.

The minimum sample volume is determined by our instruments and is not dependent upon the number of tests requested.

Phone: 706-202-8608

E-mail: TNAGY@UGA.EDU