

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Lady
Gender: Female(Neutered)
Sample ID: 2608200001

Owner Name: Ma. Lourdes Paragas
Age: 5 Years
Sample Type: Serum

Species: Canine
Patient or Visit No.:
Time Tested: 20/08/2026 08:32:24

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	66.2	g/L	52-82				Whole Body
ALB	22.3	g/L	22-44				Liver, Kidney
GLOB	43.9	g/L	20-52				Whole Body
ALB/GLOB	0.5						Calculated value
TBIL	3.58	umol/L	2-15				Whole Body, Liver
GGT	20.1	↑ U/L	0-7				Liver
AST	23	U/L	8.9-55				Liver
ALT	79	U/L	10-140				Liver
AST/ALT	0.29						Calculated value
ALP	769	↑ U/L	20-150				Liver
TBA	34.7	↑ umol/L	0-20				Liver, Gallbladder
AMYL	596	U/L	200-1800				Pancreas
CK	77	U/L	20-200				Myocardium, Skeletal muscle
CREA	33	umol/L	27-149				Kidney
BUN	3.85	mmol/L	2.5-11.5				Kidney
BUN/CREA	29						Calculated value
GLU	6.81	mmol/L	3.89-7.95				Whole Body
CHOL	3.35	mmol/L	2.84-8.26				Whole Body
TRIG	0.70	mmol/L	0.1-0.9				
tCO2	25	mmol/L	12-27				Whole Body
Ca	2.79	mmol/L	1.98-2.95				Whole Body
PHOS	0.78	↓ mmol/L	0.81-2.2				Kidney
Ca×P	27	mg/dL					
Mg	0.43	↓ mmol/L	0.6-1.09				

Clinical Significance

GGT	Elevated levels: ① Jaundice; ② Lipemia causing false elevation; ③ Drug effects: barbiturates, corticosteroids, nonsteroidal anti-inflammatory drugs, etc.; ④ Hepatic diseases: liver tumors, chronic hepatitis, cirrhosis, hepatic lipidosis; ⑤ Extrahepatic diseases: cholecystitis, gallstones, gallbladder mucinous cyst, hyperthyroidism, pancreatitis, hypoadrenocorticism, etc.
ALP	Elevated levels: ① Primary or metastatic tumors; ② Acute toxic liver injury; ③ Normal in young growing animals; ④ Bone marrow diseases causing increased osteoblast activity; ⑤ Hemolysis, lipemia, hyperbilirubinemia causing false elevation; ⑥ Drug/toxin effects: corticosteroids, barbiturates, aflatoxins, etc.; ⑦ Hepatobiliary diseases: cholangitis, chronic hepatitis, cirrhosis, hepatic lipidosis, etc.; ⑧ Endocrine diseases: hyperthyroidism, hyperadrenocorticism, diabetes.
TBA	Elevated levels: ① Significantly elevated in acute hepatitis; ② Chronic hepatitis, cirrhosis, liver cancer; ③ Congenital or acquired portosystemic shunts; ④ Cholestasis: biliary disease, acute and chronic biliary obstruction.
PHOS	Decreased levels: ① Diabetic ketoacidosis; ② Malignant tumor hypercalcemia; ③ Nutritional deficiency and malabsorption; ④ Primary hyperparathyroidism; ⑤ Insufficient vitamin D intake, alkalosis, insulinoma/hyperinsulinemia.
Mg	Decreased levels: ① Intestinal absorption disorders; ② Hyperparathyroidism; ③ Fluid disorders, acute pancreatitis; ④ Prolonged fasting, chronic diarrhea with malabsorption; ⑤ Diabetic ketoacidosis, hyperaldosteronism; ⑥ Renal tubular injury/necrosis, post-obstructive diuresis, long-term diuretic therapy.

Veterinary Technician: not specified

Attending Veterinarian: Dr. Marian Grace Wanagen

Date Reported: 20/08/2026

This report is solely for the received sample and serves as a diagnostic reference for veterinarians.



Hospital Tel.: +639171533903

Hospital Add.: McArthur Highway, San Miguel, Calasiao, Pangasinan

