

## Pet Doctors Veterinary Supplies and Services

### Chemistry Test Report

Pet Name: Mikmik  
 Gender: Female  
 Sample ID: 2605230002

Owner Name: Rochelle Paris  
 Age: 6 Years  
 Sample Type: Serum

Species: Canine  
 Patient or Visit No.:  
 Time Tested: 23/05/2026 21:18:01

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	≥100	↑ g/L	52-82				Whole Body
ALB	26.8	g/L	22-44				Liver, Kidney
GLOB	86.3	↑ g/L	20-52				Whole Body
ALB/GLOB	0.3						Calculated value
TBIL	11.98	umol/L	2-15				Whole Body, Liver
GGT	1.1	U/L	0-7				Liver
AST	52	U/L	8.9-55				Liver
ALT	42	U/L	10-140				Liver
AST/ALT	1.24						Calculated value
ALP	33	U/L	20-150				Liver
TBA	6.82	umol/L	0-20				Liver, Gallbladder
AMYL	1123	U/L	200-1800				Pancreas
CK	346	↑ U/L	20-200				Myocardium, Skeletal muscle
CREA	100	umol/L	27-149				Kidney
BUN	5.17	mmol/L	2.5-11.5				Kidney
BUN/CREA	13						Calculated value
GLU	6.19	mmol/L	3.89-7.95				Whole Body
CHOL	2.46	↓ mmol/L	2.84-8.26				Whole Body
TRIG	0.38	mmol/L	0.1-0.9				
tCO2	12	mmol/L	12-27				Whole Body
Ca	1.56	↓ mmol/L	1.98-2.95				Whole Body
PHOS	0.47	↓ mmol/L	0.81-2.2				Kidney
Ca×P	9	mg/dL					
Mg	0.45	↓ mmol/L	0.6-1.09				

#### Clinical Significance

TP	<b>Elevated levels:</b> ① Dehydration; ② Increased albumin; ③ Increased immunoglobulin: myeloma, infectious diseases, etc.
GLOB	<b>Elevated levels:</b> ① Tumors: lymphoma, multiple myeloma, etc.; ② Infectious diseases: bacterial, fungal, parasitic, protozoal, viral; ③ Immune-mediated/inflammatory: hepatitis, nephritis, purulent diseases, allergies, IMHA, lupus erythematosus, polyarthritis, etc.
CK	<b>Elevated levels:</b> ① Myocardial necrosis; ② Strenuous exercise; ③ Prolonged recumbency; ④ Skeletal muscle injury; ⑤ Neurological disease; ⑥ Hypothyroidism; ⑦ Hemolysis or intramuscular injection during blood draw.
CHOL	<b>Decreased levels:</b> ① Feline hyperthyroidism; ② Low-fat diet; ③ Hepatic insufficiency; ④ Antiepileptic drugs; ⑤ Exocrine pancreatic insufficiency; ⑥ Protein-losing enteropathy; ⑦ High vitamin C levels; ⑧ Malabsorption/digestion issues.
Ca	<b>Decreased levels:</b> ① Pancreatitis; ② Postpartum hypocalcemia; ③ Malabsorption in the small intestine; ④ Acute/chronic renal failure; ⑤ Hypothyroidism, thyroid cancer (increased calcitonin).
PHOS	<b>Decreased levels:</b> ① Diabetic ketoacidosis; ② Malignant tumor hypercalcemia; ③ Nutritional deficiency and malabsorption; ④ Primary hyperparathyroidism; ⑤ Insufficient vitamin D intake, alkalosis, insulinoma/hyperinsulinemia.
Mg	<b>Decreased levels:</b> 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: 24/05/2026

**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

