

Pet Doctors Veterinary Supplies and Services
Immunoassay Test Report

Pet Name: Cloud

Owner Name: Cyeley Ane Calicdan

Species: Canine

Gender: Male

Age: 7Year

Patient or Visit No.:

Sample ID: 202609110001

Time Tested: 11/09/2026 13:29:42

Test Result

Test	Result	Unit	Reference Range
SDMA	6.59 Normal	µg/dL	≤14 µg/dL Normal 14-19 µg/dL Suspected >19 µg/dL Abnormal

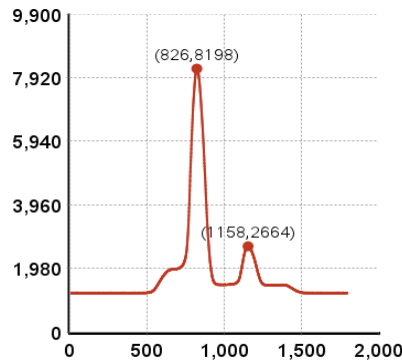


Figure1:SDMA

Clinical Significance

SDMA

Symmetric dimethylarginine (SDMA) is a methylated arginine amino acid. Most of SDMA is excreted by the kidneys. SDMA is an early biomarker of kidney function. It correlates well with glomerular filtration rate(GFR). SDMA tests diagnose chronic kidney disease (CKD) and acute kidney injury (AKI) much earlier than creatinine tests.

Veterinary Technician: not specified

Attending Veterinarian: Dr. Ricardo Valdez

Date Reported: 11/09/2026

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



Hospital Tel.: +639171533903

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Hospital Email: pdvc.calasiao@gmail.com



Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Cloud
Gender: Male
Sample ID: 2609110001

Owner Name: Cyoley Ane Calicdan
Age: 7 Years
Sample Type: Whole Blood

Species: Canine
Patient or Visit No.:
Time Tested: 11/09/2026 13:04:22

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	95.0	↑ g/L	52-82				Whole Body
ALB	22.9	g/L	22-44				Liver, Kidney
GLOB	72.1	↑ g/L	20-52				Whole Body
ALB/GLOB	0.3						Calculated value
TBIL	36.10	↑ umol/L	2-15				Whole Body, Liver
GGT	1.4	U/L	0-7				Liver
AST	214	↑ U/L	8.9-55				Liver
ALT	259	↑ U/L	10-140				Liver
AST/ALT	0.83						Calculated value
ALP	548	↑ U/L	20-150				Liver
TBA	8.33	umol/L	0-20				Liver, Gallbladder
AMYL	863	U/L	200-1800				Pancreas
CK	959	↑ U/L	20-200				Myocardium, Skeletal muscle
CREA	77	umol/L	27-149				Kidney
BUN	7.68	mmol/L	2.5-11.5				Kidney
BUN/CREA	25						Calculated value
GLU	4.67	mmol/L	3.89-7.95				Whole Body
CHOL	2.85	mmol/L	2.84-8.26				Whole Body
TRIG	0.57	mmol/L	0.1-0.9				
tCO2	16	mmol/L	12-27				Whole Body
Ca	2.27	mmol/L	1.98-2.95				Whole Body
PHOS	1.69	mmol/L	0.81-2.2				Kidney
Ca×P	48	mg/dL					
Mg	0.88	mmol/L	0.6-1.09				

Clinical Significance

TP	Elevated levels: ① Dehydration; ② Increased albumin; ③ Increased immunoglobulin: myeloma, infectious diseases, etc.
GLOB	Elevated levels: 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.
TBIL	Elevated levels: ① Pre-hepatic diseases or hemolysis: canine ehrlichiosis, canine and feline babesiosis, onion poisoning, and other hemolytic diseases; ② Hepatic diseases: cholestatic hepatitis, infectious canine hepatitis, leptospirosis, bacterial hepatitis, cirrhosis, etc.; ③ Post-hepatic diseases: biliary obstructive diseases, gallstones, etc.; ④ Acute and chronic hepatitis, biliary tract obstruction, acute necrotic hepatitis, metastatic liver cancer, hemolytic jaundice, post-transfusion hemolysis, malignant anemia.
AST	Elevated levels: ① Hepatic system diseases; ② Hemolysis, lipemia causing false elevation; ③ Equine paralytic myoglobinuria; ④ Cardiac injury: myocarditis, myocardial infarction; ⑤ Skeletal muscle diseases: canine degenerative myopathy, muscle injury; ⑥ Drug/toxin effects: barbiturates, corticosteroids, nonsteroidal anti-inflammatory drugs, ketoconazole, etc.
ALT	Elevated levels: ① Drug effects; ② Hemolysis, lipemia causing false elevation; ③ Metabolic disorders and secondary liver diseases; ④ Hyperthyroidism, cardiac insufficiency, severe anemia, shock; ⑤ Primary hepatocyte and hepatobiliary diseases: infectious hepatitis, feline infectious peritonitis, leptospirosis, hepatotoxin diseases.
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.



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CK

Elevated levels: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.

Veterinary Technician: not specified

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