

Pet Doctors Veterinary Supplies and Services
Immunoassay Test Report

Pet Name: KC

Owner Name: Raymond Carolino

Species: Canine

Gender: Female

Age: 20Year

Patient or Visit No.:

Sample ID: 202607280002

Time Tested: 28/07/2026 15:09:18

Test Result

Test	Result	Unit	Reference Range
SDMA	13.89 Normal	µg/dL	≤14 µg/dL Normal 14-19 µg/dL Suspected >19 µg/dL Abnormal

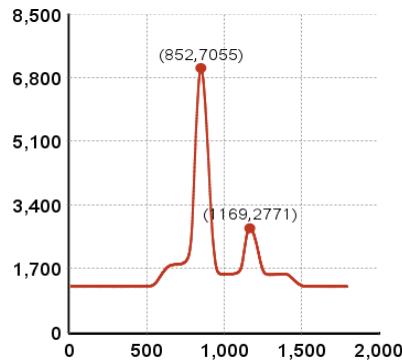


Figure1:SDMA

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. Marian Wanagen

Date Reported: 30/07/2026

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



Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: KC
Gender: Female
Sample ID: 2607280002

Owner Name: Raymond Carolino
Age: 20 Years
Sample Type: Serum

Species: Canine
Patient or Visit No.:
Time Tested: 28/07/2026 14:38:55

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	76.7	g/L	52-82				Whole Body
ALB	33.9	g/L	22-44				Liver, Kidney
GLOB	42.8	g/L	20-52				Whole Body
ALB/GLOB	0.8						Calculated value
TBIL	6.24	umol/L	2-15				Whole Body, Liver
GGT	1.3	U/L	0-7				Liver
AST	64	↑ U/L	8.9-55				Liver
ALT	46	U/L	10-140				Liver
AST/ALT	1.39						Calculated value
ALP	56	U/L	20-150				Liver
TBA	5.91	umol/L	0-20				Liver, Gallbladder
AMYL	1289	U/L	200-1800				Pancreas
CK	232	↑ U/L	20-200				Myocardium, Skeletal muscle
CREA	82	umol/L	27-149				Kidney
BUN	5.26	mmol/L	2.5-11.5				Kidney
BUN/CREA	16						Calculated value
GLU	4.99	mmol/L	3.89-7.95				Whole Body
CHOL	4.79	mmol/L	2.84-8.26				Whole Body
TRIG	0.70	mmol/L	0.1-0.9				
tCO2	17	mmol/L	12-27				Whole Body
Ca	2.57	mmol/L	1.98-2.95				Whole Body
PHOS	0.69	↓ mmol/L	0.81-2.2				Kidney
Ca×P	22	mg/dL					
Mg	0.57	↓ mmol/L	0.6-1.09				

Clinical Significance

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.
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.
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 Wanagen

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