

Pet Doctors Veterinary Supplies and Services
Immunoassay Test Report

Pet Name: RIX

Owner Name: Julie Mandapat

Species: Canine

Gender: Male

Age: 8Year

Patient or Visit No.:

Sample ID: 202607060001

Time Tested: 06/07/2026 09:17:41

Test Result

Test	Result	Unit	Reference Range
SDMA	12.57 Normal	µg/dL	≤14 µg/dL Normal 14-19 µg/dL Suspected >19 µg/dL Abnormal

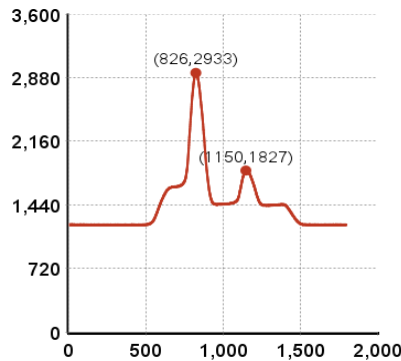


Figure1:SDMA

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. Cassandra R. Oyan

Date Reported: 06/07/2026

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: Rix
Gender: Male
Sample ID: 2607060001

Owner Name: Julie Mandapat
Age: 8 Years
Sample Type: Whole Blood

Species: Canine
Patient or Visit No.:
Time Tested: 06/07/2026 09:09:52

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	62.9	g/L	52-82				Whole Body
ALB	30.5	g/L	22-44				Liver, Kidney
GLOB	32.4	g/L	20-52				Whole Body
ALB/GLOB	0.9						Calculated value
TBIL	2.53	umol/L	2-15				Whole Body, Liver
GGT	28.3	↑ U/L	0-7				Liver
AST	353	↑ U/L	8.9-55				Liver
ALT	55	U/L	10-140				Liver
AST/ALT	6.42						Calculated value
ALP	96	U/L	20-150				Liver
TBA	5.05	umol/L	0-20				Liver, Gallbladder
AMYL	812	U/L	200-1800				Pancreas
CK	366	↑ U/L	20-200				Myocardium, Skeletal muscle
CREA	74	umol/L	27-149				Kidney
BUN	13.2	↑ mmol/L	2.5-11.5				Kidney
BUN/CREA	44						Calculated value
GLU	7.26	mmol/L	3.89-7.95				Whole Body
CHOL	4.94	mmol/L	2.84-8.26				Whole Body
TRIG	1.25	↑ mmol/L	0.1-0.9				
tCO2	16	mmol/L	12-27				Whole Body
Ca	2.19	mmol/L	1.98-2.95				Whole Body
PHOS	2.36	↑ mmol/L	0.81-2.2				Kidney
Ca×P	64	mg/dL					
Mg	0.68	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.
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.
BUN	Elevated levels: ① Pre-renal: dehydration, high-protein diet, gastrointestinal bleeding, shock, hypoalbuminemia; ② Renal: acute/chronic interstitial nephritis, acute renal tubular necrosis, chronic renal failure, chronic glomerulonephritis, amyloidosis, pyelonephritis, tumors; ③ Post-renal: urinary tract obstruction (stones, tumors, prostatic diseases, feline lower urinary tract disease), bladder rupture.
TRIG	Elevated levels: ① Hypothyroidism; ② Diabetes mellitus; ③ Pancreatitis; ④ Cholestasis; ⑤ Fasting (obesity); ⑥ Spontaneous hyperlipidemia; ⑦ Hyperadrenocorticism; ⑧ Spontaneous hyperchylomicronemia; ⑨ Physiological increase after a fatty meal.
PHOS	Elevated levels: ① Vitamin D toxicity; ② Renal disease; ③ Fracture healing period; ④ Acromegaly; ⑤ Growing puppies and kittens; ⑥ Excess vitamin D intake; ⑦ Hypoparathyroidism; ⑧ Lymphoma, developmental disorders; ⑨ Pseudo-elevation due to hemolysis.

Veterinary Technician: not specified



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