

Client: Mejia, Coney (018)
 Patient Name: Oreo
 Species: Canine
 Breed: Siberian Husky

Gender: Male
 Weight: 23.90 kgs
 Age: 8 Years
 Doctor: Ronelia Bentadan

PET DOCTORS VETERINARY
 CLINIC
 Diversion Road, San Miguel,
 Calasiao, Pangasinan
 0932-278-9861 075-523-
 1751

Test	Results	Reference Interval	LOW	NORMAL	HIGH
Catalyst One (December 4, 2020 10:23 AM)					
GLU	102 mg/dL	70 - 143			
SDMA	74 µg/dL	0 - 14			HIGH
CREA	-- mg/dL	0.5 - 1.8			
BUN	89 mg/dL	7 - 27			HIGH
PHOS	8.0 mg/dL	2.5 - 6.8			HIGH
CA	9.3 mg/dL	7.9 - 12.0			
TP	9.1 g/dL	5.2 - 8.2			HIGH
ALB	3.4 g/dL	2.2 - 3.9			
GLOB	5.7 g/dL	2.5 - 4.5			HIGH
ALB/GLOB	0.6				
ALT	104 U/L	10 - 125			
ALKP	536 U/L	23 - 212			HIGH
GGT	6 U/L	0 - 11			
TBIL	24.8 mg/dL	0.0 - 0.9			HIGH
CHOL	91 mg/dL	110 - 320	LOW		
AMYL	1777 U/L	500 - 1500			HIGH
LIPA	5531 U/L	200 - 1800			HIGH

SDMA:

IF BOTH SDMA AND CREATININE ARE WELL WITHIN THE REFERENCE INTERVAL, then kidney function is likely good. Evaluate a complete urinalysis and confirm there is no other evidence of kidney disease.

IF SDMA IS INCREASED BUT CREATININE IS WITHIN THE REFERENCE INTERVAL. Catalyst SDMA Test is a more reliable indicator of kidney function than creatinine because SDMA detects declining kidney function earlier and is not impacted by muscle mass. Creatinine can miss early function loss and be falsely decreased in patients with poor muscle mass. SDMA increases in acute and active injury as well as chronic kidney disease. A complete urinalysis should be performed to evaluate for inappropriate specific gravity, proteinuria and other evidence of kidney disease. For information on recommended actions visit: idexx.com/SDMAalgorithm (U.S.), idexx.ca/AlgorithmSDMA (Canada) or idexx.eu/SDMAalgorithm (EU).

IF SDMA IS WITHIN THE REFERENCE INTERVAL AND CREATININE IS INCREASED. This combination of results is uncommon. SDMA and creatinine can both be affected by biologic and assay variability resulting in fluctuations around the upper end of the reference interval; this can be seen with well-managed stable CKD and results will likely align as disease progresses. Creatinine can exceed the reference interval in muscular dogs with normal kidney function. Creatinine can be artifactually increased postprandially. If kidney disease is still suspected, a complete urinalysis should be performed on all patients to evaluate for inappropriate specific gravity, proteinuria or other evidence of kidney disease.

IF BOTH SDMA AND CREATININE ARE INCREASED, then kidney disease is probable and action should be taken. A complete urinalysis should be performed to evaluate for inappropriate urine specific gravity, proteinuria or other evidence of kidney disease. For information on recommended actions visit: idexx.com/SDMAalgorithm (U.S.), idexx.ca/AlgorithmSDMA (Canada) or idexx.eu/SDMAalgorithm (EU).