

Client: GILLE, RIZZA (106095)  
 Patient Name: PATRICK  
 Species: Canine  
 Breed: Labrador Retriever

Gender: Male  
 Weight:  
 Age: 10 Years  
 Doctor: ALYNN ALBARECE

BATINGA ANIMAL MEDICAL  
 CLINIC  
 TIANO-MONTALVAN STS.  
 CAGAYAN DE ORO

Test	Results	Reference Interval	LOW	NORMAL	HIGH
Catalyst One (July 16, 2020 11:09 AM)					
SDMA	32 µg/dL	0 - 14			HIGH
Na	148 mmol/L	144 - 160			
K	4.6 mmol/L	3.5 - 5.8			
Na/K	32				
Cl	117 mmol/L	109 - 122			

**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](http://idexx.com/SDMAalgorithm) (U.S.), [idexx.ca/AlgorithmSDMA](http://idexx.ca/AlgorithmSDMA) (Canada) or [idexx.eu/SDMAalgorithm](http://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](http://idexx.com/SDMAalgorithm) (U.S.), [idexx.ca/AlgorithmSDMA](http://idexx.ca/AlgorithmSDMA) (Canada) or [idexx.eu/SDMAalgorithm](http://idexx.eu/SDMAalgorithm) (EU).