

ANTECH

SDMA — the standard for kidney function assessment

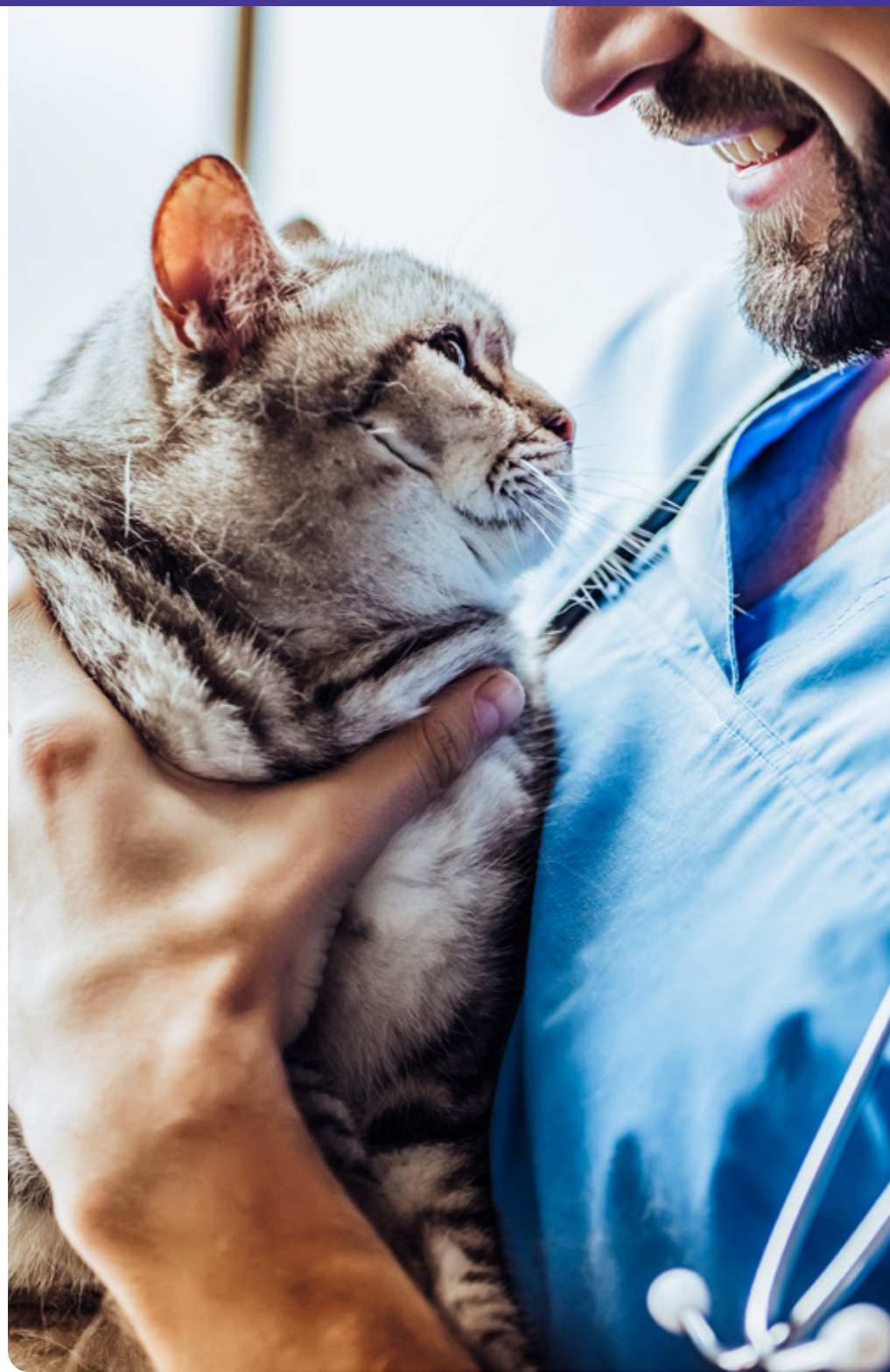
An earlier, more sensitive, and reliable indicator of decreased renal function in comparison to creatinine

Symmetric dimethylarginine (SDMA) is a methylated form of the amino acid arginine. It is freely filtered by the kidneys and accurately correlates with glomerular filtration rate (GFR), the gold standard for assessing kidney function.

Diagnose Kidney Disease Earlier

SDMA is an earlier biomarker of loss of kidney function, increasing when there is an average 40% loss. Creatinine, however, does not increase until there is a 75% or greater decrease in kidney function. Furthermore, SDMA is less affected by extra-renal factors, such as dehydration or loss of lean muscle mass, making it a more reliable and sensitive indicator for loss of kidney function than creatinine.

SDMA can be increased in acute kidney injury (AKI) and with chronic kidney disease (CKD) in both dogs and cats. The importance of measuring SDMA is highlighted by its inclusion in the International Renal Interest Society (IRIS) guidelines (iris-kidney.com) for diagnosing, staging, and monitoring chronic kidney disease.



SDMA in Practice

It is imperative to evaluate kidney function biomarkers, including creatinine and SDMA, continually. Additionally, conduct a complete urinalysis to determine if there is a pre-renal, renal, or post-renal cause of the patient's azotemia, including increased SDMA (refer to the Antech SDMA Algorithm for more information).

Azotemia and increased SDMA can occur due to pre-renal causes, such as dehydration, and post-renal causes, such as urethral obstruction. In both scenarios, the decrease in GFR may be treatable and does not necessarily signal a sustained or progressive loss of kidney function. If the decrease in kidney function biomarkers is determined to be renal in origin, SDMA is an earlier, more sensitive, and reliable biomarker than creatinine for diagnosing and monitoring of kidney disease in dogs and cats.

Product Information

US CODE	CANADA CODE
T1035	CT1035

SPECIMEN
0.5 mL serum
 Red top, serum separator

TURNAROUND TIME
24 hours
 Results delivered with chemistry, hematology,
 and core diagnostic results