Pets can't talk to you about their kidneys.

Catalyst® SDMA can, available now for senior pets IDEXX SDMA and T4 kit.

Exclusively on Catalyst One® and Catalyst Dx® chemistry analyzers.

Learn more at **www.idexx.eu/sdma** or contact your IDEXX Representative for more information.

Practice what's possible®

IDEXX LABORATORIES

The Catalyst® SDMA and Total T_4 Kit:

A more convenient way to run in-house 2 different tests

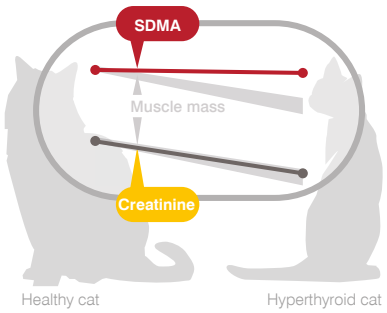
Thyroid conditions are common in cats and dogs. The Catalyst® SDMA and Total T_4 Kit provides accurate results during the patient visit, enabling:

- Definitive diagnosis of hyperthyroidism in cats.
- Effective screening for thyroid disease in dogs.
- Immediate adjustment of medication for patients receiving thyroid treatment.

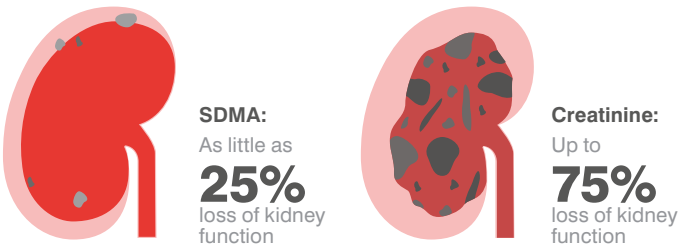
Hyperthyroidism and chronic kidney disease (CKD) are two common diseases of older cats. Hyperthyroidism can mask the presence of CKD because it increases glomerular filtration rate and decreases body mass.[1]

Creatinine, being a by-product of muscle, is underproduced in feline hyperthyroidism as a result of muscle loss and becomes a poor indicator of kidney function. SDMA is not impacted by weight loss and muscle mass,[2] making it a much more reliable marker of kidney function in hyperthyroid cats.

SDMA is not impacted as muscle mass decreases.
Creatinine decreases as muscle mass decreases.



SDMA is an earlier indicator of kidney disease than creatinine [3-5]



SDMA:
As little as
25%
loss of kidney function
(and 40% loss on average)[3-4]

Creatinine:
Up to
75%
loss of kidney function

A large retrospective data analysis was performed at IDEXX Laboratories comparing creatinine and SDMA results in cats older than 5 years of age. The findings of this analysis suggest that by using the IDEXX SDMA® Test, veterinarians have the opportunity to diagnose kidney disease 6 times more in hyperthyroid cats.

Identify kidney disease **6x** more often than creatinine in patients with **hyperthyroid disease**[6]

The Catalyst® SDMA and Total T_4 Kit

- Run with any chemistry CLIP and get complete results during the patient visit. **For deeper insights into kidney health, run Catalyst® SDMA together with BUN and creatinine.**
- Assess both thyroid and kidney function in geriatric cats and in any dog or cat where thyroid disease is suspected.
- Get 12 tests per box, each test contains 1 slide of Catalyst® SDMA, 1 slide of Catalyst® TT_4 and one single reagent for both slides (please note the SDMA needs to run at the same time as TT_4).
- As both tests share the same reagent, they can be run together in both Catalyst One® and Catalyst Dx® chemistry analyzers.

Learn more at **www.idexx.eu/sdma**

References
1. Williams T. Chronic kidney disease in cats with hyperthyroidism. Clin Brief. Sept 2015:10–12. **2.** Hall JA, Yerramilli M, Obare E, Yerramilli M, Yu S, Jewell DE. Comparison of serum concentrations of symmetric dimethylarginine and creatinine as kidney function biomarkers in healthy geriatric cats fed reduced protein foods enriched with fish oil, L-carnitine, and medium-chain triglycerides. Vet J. 2014;202(3):588–596. **3.** Nabity MB, Lees GE, Boggess M, et al. Symmetric dimethylarginine assay validation, stability, and evaluation as a marker for early detection of chronic kidney disease in dogs. J Vet Intern Med. 2015;29(4):1036–1044. **4.** Hall JA, Yerramilli M, Obare E, Yerramilli M, Jewell DE. Comparison of serum concentrations of symmetric dimethylarginine and creatinine as kidney function biomarkers in cats with chronic kidney disease. J Vet Intern Med. 2014;28(6):1676–1683. **5.** Hall JA, Yerramilli M, Obare E, Yerramilli M, Almes K, Jewell DE. Serum concentrations of symmetric dimethylarginine and creatinine in dogs with naturally occurring chronic kidney disease. J Vet Intern Med. 2016;30(3):794–802. **6.** Data on file at IDEXX Laboratories, Inc. Westbrook, Maine USA.

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