

2017-10-06

SDMA ELISA



PRODUCT CODE: TRM-594

DESCRIPTION

Enzyme Immunoassay for the Quantitative Determination of Endogenous Symmetric Dimethylarginine (SDMA) in Serum of dogs and cats.

SUMMARY AND EXPLANATION

As the most commonly used marker of renal excretory function, serum creatinine concentration, does not adequately respond to mild to moderate impairment of renal function, more sensitive markers for renal excretory function are urgently sought, especially in mild stages of renal impairment. SDMA is a methylated derivative of the amino acid L arginine (symmetric dimethylarginine). SDMA is eliminated from the body exclusively by renal excretion; therefore SDMA serum concentration is tightly related to renal function. SDMA exhibits properties of a reliable marker of renal function.

CHARACTERISTICS

- Rapid measurement of SDMA
- Results within 3 hours
- Up to 80 tests/plate/kit

ASSAY PROCEDURE

INCUBATION TIME/ TEMP.

| | |
|---|------------------------------|
| 1. Incubating samples with acylation reagents | 90 minutes at 23°C \pm 2°C |
| 2. Washings | |
| 3. Incubating plates with enzyme conjugate | 30 minutes at 23°C \pm 2°C |
| 4. Washings | |
| 5. Incubating plates with substrate | 10 minutes at 23°C \pm 2°C |
| 6. Reading plates | Reading at 450 nm |



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