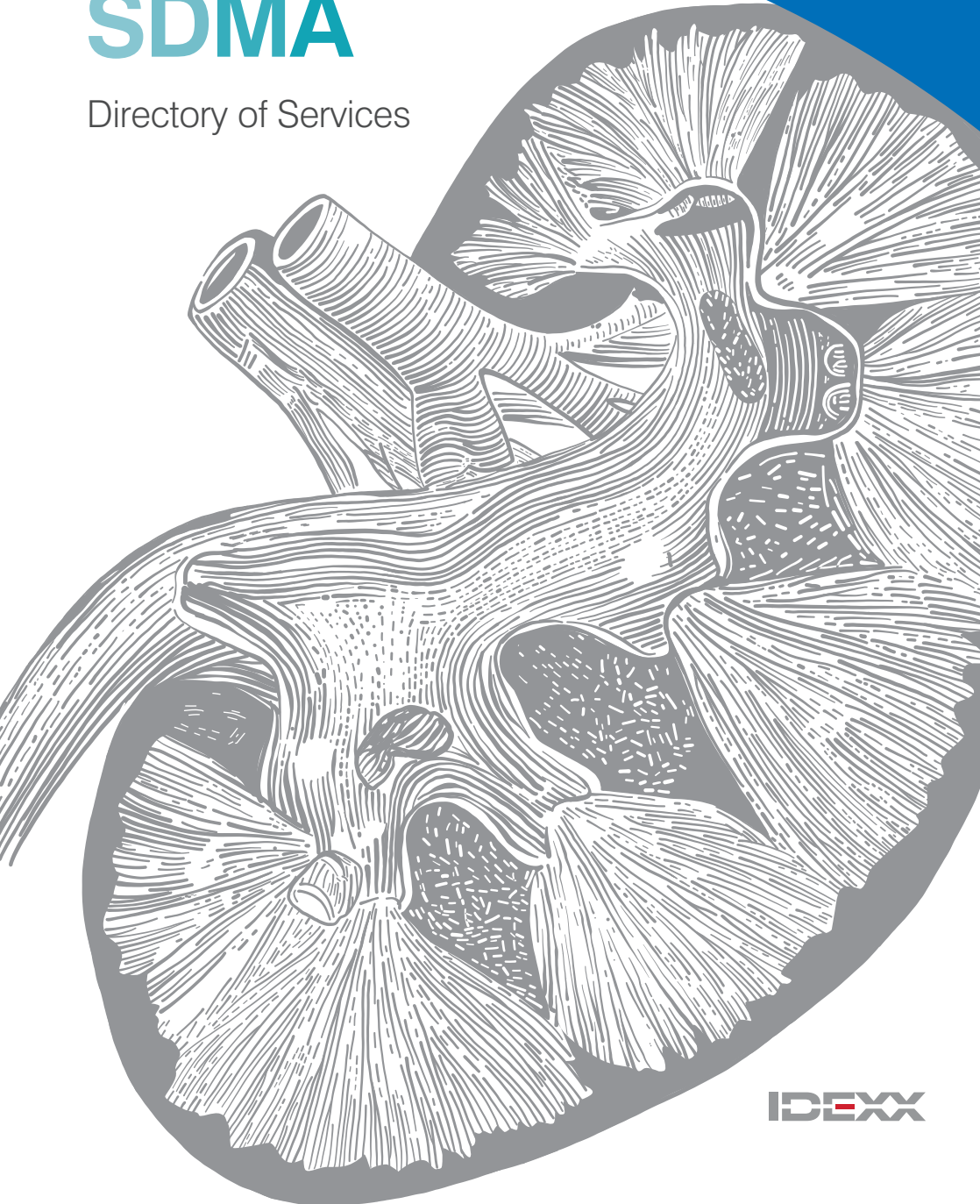


# SDMA

Directory of Services



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## Overview

### The Benefits of SDMA Testing

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#### **Symmetric dimethylarginine (SDMA)**

Symmetric Dimethyl Arginine (SDMA) is a methylated Arginine that is produced endogenously by all nucleated cells in the body and excreted by the kidneys. It is released into circulation when intracellular proteins are processed. Stable production of SDMA is part of daily cell activity.

#### **SDMA Correlates with Glomerular Filtration Rate (GFR)**

Historically, estimation of renal function has depended on blood urea nitrogen (BUN) and serum creatinine, measuring SDMA in serum is a more efficient method and has been shown to highly correlate with GFR.

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**SDMA** increases early, with only 25% of kidney function loss shown in dogs.

**SDMA** is specific for kidney function and less impacted by extrarenal factors, such as lean body mass and age

# Sample Types and Volumes

## SDMA Testing

Assay	Species	Platform	Sample Type	Sample Volume*
SDMA	Rat	LCMS	Serum, Plasma	50 µL
SDMA	Mouse	LCMS	Serum, Plasma	50 µL
SDMA	NHP	LCMS	Serum, Plasma	100 µL
SDMA	Dog	LCMS	Serum, Plasma	100 µL
SDMA	Cat	Beckman	Serum, Plasma	100 µL
SDMA	Dog	Beckman	Serum, Plasma	100 µL
SDMA	Rat	Beckman	Serum, Plasma	100 µL

\* Minimum volume required

# Sample Handling and Submission

## SDMA Testing

### Serum, Plasma Samples



Use serum separator or lithium heparin tubes, pipette serum or plasma into sterile transportation tubes and place those into sealable plastic bags



Label bag(s) with sample type, submitter name and study number if applicable.



Samples will remain stable if stored at 4°C for 7 days and at least 5 years at -20°C to -80°C



If banking and freezing samples, store at -20°C to -80°C

### Prepare for Shipping



Include a copy of the submission form with samples.



Samples stored at 4°C can be shipped on ice/ice pack  
Samples banked and frozen can be shipped on dry ice to avoid freeze/thaw

#### Ship Samples to:

IDEXX BioAnalytics  
3 Centennial Drive  
North Grafton, MA 01526

IDEXX BioAnalytics  
2825 KOVR Drive  
West Sacramento, CA 95605

#### LCMS Only-Ship to:

IDEXX BioAnalytics  
Lab 57  
One IDEXX Drive  
Westbrook, ME 04092

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Continued on next page

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