



**Enzyme Immunoassay for the Quantitative Determination of Endogenous Symmetric Dimethylarginine (SDMA) in Serum or Plasma**

# SDMA ELISA

## Early Detection of Chronic Kidney Disease

### COMPONENTS SUPPLIED IN THE KIT

Component	Description	Qty	Vol
Strips coated with SDMA	Strips of 8 wells each, breakable, precoated with SDMA (96 wells in total)	12	
Standards 1 to 6	Ready for use. Concentration	6 vials	6 x 4 ml
	1            2            3            4            5            6		
	μmol/L    0            0.2        0.4        0.7        1.2        3.0		
	ng/ml     0            40         81         141        242        606		
Controls 1 and 2	Ready for use. Concentrations: see Q.C. certificate	2 vials	4 ml
Acylation Buffer	Ready for use, blue colored	1 vial	3.5 ml
Acylation reagent	Lyophilized, dissolve contents in 3 ml Solvent before use.	3 vials	
Antiserum	Ready for use, yellow colored, rabbit-anti-N-acyl-SDMA	1 vial	7 ml
Enzyme Conjugate	Ready for use goat anti-rabbit-IgG-peroxidase	1 vial	13 ml
Wash buffer	50 x concentrated, dilute contents with distilled water to 1000 ml total volume	1 vial	20 ml
Substrate	TMB solution, ready for use	1 vial	13 ml
Stop Solution	Ready for use (contains 0.3 M sulphuric acid)	1 vial	13 ml
Acyl-plate	Reaction Plate for acylation	1 piece	
Equalizing Reagent	Lyophilized, dissolve contents with 21 ml distilled. water, dissolve carefully to minimize foam formation	1 vial	
SOLVENT	Contains DMSO.	2 vials	5 ml
FOIL		2	

#### Materials and equipment required but not provided

- Micropipettes (20, 50, 100 and 200 μl) and tips
- Multipipette
- Orbital shaker (400 rpm)
- Microplate washing device (optional)
- Microplate reader (450 nm)
- Vortex mixer, roll mixer
- Distilled water

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