

Product information

Product name:	Sulfamethoxydiazine (SMD) ELISA-Test Kit
Product number:	ES-2
General Description:	Sulfamethoxydiazine (SMD) is a long-acting sulphonamide antibacterial. It is used as a leprostatic agent and in the treatment of urinary tract infections.
Principle:	The GreenSpring™ Sulfamethoxydiazine (SMD) ELISA Test Kit is based on the competitive enzyme immunoassay for the detection of Sulfamethoxydiazine in the chicken, pork, milk, serum, liver, honey and egg. The conjugated antigens is pre-coated on the micro-well stripes. The Sulfamethoxydiazine in the sample and the conjugate antigens pre-coated on the micro-well stripes compete for the anti-Sulfamethoxydiazine antibodies. After the addition of the enzyme conjugate, the TMB substrate is added for coloration. The optical density (OD) value of the testing sample has a negative correlation with the Sulfamethoxydiazine residues concentration in the sample. This value is compared to the standard curve and Sulfamethoxydiazine concentration is subsequently obtained.

Specifications

Format:	96 wells/kit (12 strips with 8 removable wells each)
Sensitivity:	1.0 ppb
Detection limit:	Chicken, chicken liver, milk - 4ppb; honey - 2 ppb
Crossreaction rate:	Sulfamethoxydiazine -100%
Sample processing time:	chicken, pork (liver) – 20 min, honey, egg, serum, urine – 10 min
Detection time:	90 min.

All products sold by AntiProt are intended for research use only unless otherwise indicated. This product is not intended for diagnostic or drug purposes, or for use in humans.