

Product information

Product name:	Sulfonamides residues (SAs) ELISA-Test Kit
Product number:	ES-7
General Description:	Sulfonamides is the sulfa-related group of antibiotics, which are used to treat bacterial infection and some fungal infections. The sulfonamide family includes sulfadiazine, sulfamethizole (brand name: Thiosulfil Forte), sulfamethoxazole (Gantanol), sulfasalazine (Azulfidine), sulfisoxazole (Gantrisin), and various high-strength combinations of three sulfonamides.
Principle:	The GreenSpring™ Sulfonamides residues (SAs) EIA kit is based on the competitive enzyme immunoassay for the detection of Sulfonamides in the chicken, pork, milk, honey and egg, etc. The coupling antigens are pre-coated on the micro-well stripes. The Sulfonamides in the sample and the coupling antigens pre-coated on the micro-well stripes compete for the anti-Sulfonamides antibodies. After the addition of the enzyme conjugate, the TMB substrate is added for coloration. The optical density (OD) value of the sample has a negative correlation with the Sulfonamides in the sample. This value is compared to the standard curve and the Sulfonamides concentration is subsequently obtained.
Specifications	
Format:	96 wells/kit (12 strips with 8 removable wells each)
Sensitivity:	1.0 ppb
Detection limit:	Chicken and pork liver, honey, egg – 1 ppb; serum, urine – 4 ppb; milk – 20 ppb
Crossreaction rate:	Sulfadiazine (SD or SDZ) - 100%; Sulfamonomethoxine (SMM) - 97.6%; Sulfamerazine (SM ₁) - 12%; Sulfamethoxazole (SMZ) - 100%; Sulfathiazole (ST) - 195.0%; Phthalylsulfathiazole (PST) - 73%; Sulfamethylthiadiazolum - 110%; Sulfapyridine - 48%; Sulfamethoxydiazine(SMD) - 26.4%; Sulfafurazole (SIZ) - 95.0%
Sample processing time:	chicken and pork (liver) – 20 min; honey, egg, serum, urine, milk – 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.