

Sulfonamides (SAs) residue ELISA Kit | LTA elisa kit

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CATALOG #
AAA113113

PRODUCT SYNONYMS

Sulfonamides (SAs) residue; Sulfonamides (SAs) residue ELISA Kit; LTA elisa kit

PRODUCT SPECIFICATIONS

Sequence Length	197
Samples	Milk, tissue (chicken, pork, beef, liver), swine urine, eggs
Assay Type	Competitive
Detection Range	1 ppb -81 ppb (for swine urine); 10 ppb (for milk, tissue, eggs)
Sensitivity	1ppb
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<10%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

ADDITIONAL INFORMATION

Related Product Information for LTA elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with total Sulfonamides antigen. Standards or samples are added to the appropriate microtiter plate wells with total Sulfonamides specific antibody and Horseradish Peroxidase (HRP) conjugated anti-antibody. The competitive inhibition reaction is launched between pre-coated total Sulfonamides and total Sulfonamides in standards or samples with the total Sulfonamides special antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of Sulfonamides residue in the standards or samples. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Sulfonamides are widely used in animal industry and play an important role in controlling and treatment livestock and poultry diseases. Sulfonamides have become a threat for human health and affected the export of animal derived food due to Sulfonamides residue for abuse, not abiding by withdrawal time. Sulfonamides residue limit is 100 ?g/kg according to No.235 document of the Ministry of Agriculture of the People's Republic of China. The method of instrumental analytical is major to detect Sulfonamides residue, but it needs expensive instruments, professional operators and complex pre-treatment; While the method of enzyme linked immunoassay has advantages with simple, rapid, high sensitivity, good specificity and low cost. This kit is a detection product developed based on ELISA technology, with operation time as short as 50 min and a sensitivity of 1 ppb, and linear range from 1 ppb to 81 ppb.

NCBI AND UNIPROT INFORMATION

NCBI GI #	283837810
NCBI GeneID	100328931
NCBI Accession #	NP_001164590.1

NCBI GenBank Nucleotide #	NM_001171119.1
Molecular Weight	21,126 Da
NCBI Official Full Name	lymphotoxin-alpha
NCBI Official Symbol	LTA
NCBI Official Synonym Symbols	TNLTG1E; TNF-beta
NCBI Protein Information	lymphotoxin-alpha
UniProt Protein Name	Lymphotoxin-alpha
UniProt Gene Name	LTA
UniProt Synonym Gene Names	TNFB; TNFSF1; LT-alpha
UniProt Entry Name	TNFB_RABIT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/elisa-kits/sulfonamides-sas-residue/113113>