

Tylosin ELISA Kit | TYL elisa kit

Tylosin (TYL) ELISA Kit

CATALOG #
AAA55613

PRODUCT SYNONYMS

Tylosin; Tylosin (TYL) ELISA Kit; TYL elisa kit

PRODUCT SPECIFICATIONS

Samples	Tissue, liver, honey, etc.
Assay Type	Competitive ELISA
Sample Volume	10-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for TYL elisa kit

Tylosin is a bacteriostat feed additive used in veterinary medicine. It has a broad spectrum of activity against Gram-positive organisms and a limited range of Gram-negative organisms. It is found naturally as a fermentation product of *Streptomyces fradiae*. It is a macrolide antibiotic.

Tylosin is used in veterinary medicine to treat bacterial infections in a wide range of species and has a high margin of safety. It has also been used as a growth promotant in some species, and as a treatment for colitis in companion animals.

Like other macrolides, tylosin has a bacteriostatic effect on susceptible organisms, caused by inhibition of protein synthesis through binding to the 50S subunit of the bacterial ribosome.

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

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/tyl-elisa-kits/tylosin/55613>