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Tylosin | ELISA quantitation kit

Qty: AS20 4396

AS20 4396 | Reactivity: **Tylosin in muscle, liver, honey and other samples**

Price: 1019 €

Background | This ELISA assay utilizes the principle of competitive binding to measure the concentration of Tylosin in analyzed samples. The Tylosin antigen has been pre-coated on the surface of the reaction wells. Samples, containing an unknown amount of Tylosin, or standards are added to the appropriate plate wells together with specific anti-Tylosin antibodies and Horseradish Peroxidase (HRP) conjugated anti-antibody. During incubation, a competitive inhibition reaction occurs between the pre-coated Tylosin and the Tylosin in the standards and the analyzed samples with anti-Tylosin antibody. Substrate solution is added to the wells and the color develops in opposite to the amount of Tylosin in the sample or standards. The reaction is stopped and the intensity of the color is measured at 450 nm.

Reaction wells | 96 wells

Assay development time | 1-2 hours

Sensitivity | <1.5 ppb

Detection range | 1.5 ppb-121.5 ppb

Limit of detection | Muscle, liver 3 ppb; Honey 1.5 ppb

Sample volume | 50-100 µl

Detection wavelength | 450 nm

Intra-assay precision (within an assay) | CV%<10%

Intra-assay precision (between assays) | CV%<10%

Storage | 2-8°C

Manual in Pdf

Sample type | muscle, liver, honey