



TRIMETHOPRIM ELISA (5101TMP)

General

Trimethoprim (TMP) is a member of the dihydrofolate reductase inhibitors and is widely administered in combination with sulfonamides (among other antibiotics) for the treatment of animal infectious diseases. Maximum residue limits for TMP are established world-wide. In the European Union a maximum residue limit of 50 µg/kg in pork, chicken and fish is in force.

The **Trimethoprim ELISA** is a competitive enzyme immunoassay based on antibodies directed against trimethoprim.

Kit characteristics

Microtiter plate:

96 wells
12 x 8 Breakapart

Antibody cross-reactivity:

Trimethoprim 100%

Conjugate:

TMP-HRP stabilized

Standard range (ready-to-use):

0, 0.01875, 0.0375, 0.075, 0.15 and 0.3 ng/ml

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Assay characteristics

Matrix	LOD (µg/kg)	CCB (µg/kg)
Meat	1.42	5
Fish and shrimp	1.79	5
Milk and milk powder	1.92	5
Egg	0.66	4
Urine	1.32	5

Sample preparation

For meat, fish, shrimp, milk, milk powder, egg and urine fast and efficient method is included in the kit manual.

Procedure

Sample/standard and conjugate are pipetted into the wells and incubated for 30 minutes at 20°C to 25°C. After a washing procedure ready-to-use substrate is added and incubated for 15 minutes at 20°C - 25°C. The reaction is stopped and the absorbance is read in a spectrophotometer at 450 nm.

EuroProxima's user-friendly software converts the measured optical density into the concentration of the metabolite in the starting material.