



EuroProxima
Close to your analysis

T-2 TOXIN ELISA (5121TOX)

General

T-2 Toxin belongs to the group of trichothecenes, a large group of mycotoxins produced mainly by *Fusarium* species. T-2 Toxin is found more frequently in cereals in Europe than in the United States. Both in man and in animals T-2 Toxin can cause alimentary toxic aleukia (ATA). Moreover in poultry T-2 toxin causes several adverse effects.

The **T-2 Toxin ELISA** is a competitive enzyme immunoassay based on antibodies directed against T-2 toxin.

Kit characteristics

Microtiter plate:

96 wells
12 x 8 Breakapart

Antibody cross-reactivity:

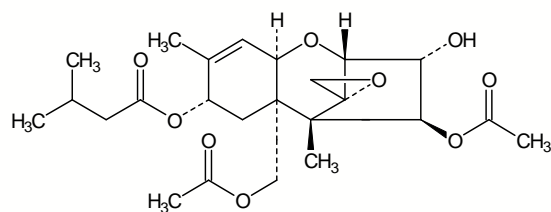
T2-Toxin	100%
Acetyl T2	12.3%
HT-2	3.4%
Iso T2 Toxin	2.5%

Conjugate:

T-2 toxin-HRP

Standard range:

0, 0.125, 0.25, 0.5, 1 and 2 ng/ml



Chemical structure of T2 toxin

Assay characteristics

Matrices

Cereals and silage

LOD (ppb)

20 – 50 ppb

The Limit of detection (LOD) is calculated as: $X_n + 3SD$ and is determined under optimal conditions.

Sample preparation

For cereals and silage fast and efficient methods are included in the kit manual.

Procedure

Antibody, conjugate and standard/sample are pipetted into the wells and incubated for one hour at 37°C. After a washing procedure ready-to-use substrate is added and incubated for 30 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.