

T-2 TOXIN ELISA (5121TOX)

- Determination of T-2 Toxin in cereals

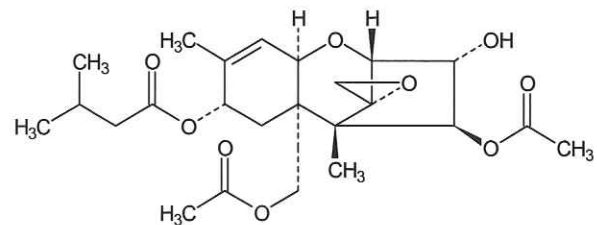
General

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), a disease characterised by atrophy of the bone marrow, agranulocytosis, necrotic angina, sepsis, hemorrhagic diathesis and mortality.

Kit characteristics

- **Microtiter plate:**
12 x 8 break 4 wells, resealable
- **Incubation times:**
60 min at 37°C and 30 min at RT (20°C - 25°C)
- **Antibody cross-reactivity:**

T2-Toxin	100%
Acetyl T2	12.3%
HT-2	3.4%
Iso T2 Toxin	2.5%
- **Standard:**
Stock standard 4 ng/ml, lyophilised



Chemical structure of T2 toxin

Sample Preparation

An amount of ground and homogenised sample is extracted with an organic solvent. After shaking and centrifugation, a part of the supernatant is diluted with buffer. This dilution is used in the ELISA.

Assay characteristics

The limit of detection was determined to be 20 ppb to 50 ppb depending on the kind of sample.

