

# ELISA Rapid Test ErgoREAD

## Simple, Fast and Inexpensive Screening of Ergot Alkaloids



Ergot alkaloids are naturally occurring mycotoxins. These are fungi of the genus *Claviceps* that arise in a variety of grain and flour products as primary contamination and have highly toxic properties.

Poisoning by ergot alkaloids is called ergotism (erysipelas) or St. Anthony's fire, which is also known as ignis sacer - „holy fire“. The first known ergotism epidemic happened in 857 and many more followed with countless deaths. Even today, harmful alkaloids are found in food and feed.

**Simple rapid test for the qualitative analysis of ergot alkaloids in wheat, rye and triticale**

The ErgoREAD rapid test is ready-to-use: It contains a 96-well ELISA plate; it can also be used individually in 8-well strips. All required reagents and standard solutions are included. An extensive manual together with a set of descriptive brief instructions lead even inexperienced lab staff safely through the uncomplicated application.



*An extensive manual together with a set of descriptive brief instructions lead through the detection with the ELISA rapid test.*



### In Short, ErgoREAD:

- » Complete, low-cost rapid tests
- » Only two extraction methods for solid samples
- » Best reproducibility and repeatability through standardisation
- » Reacts with "-ines" as well as with "-inines"
- » Easy-to-understand software at no charge
- » Broad measuring range
- » Satisfactory recovery rate: 80 - 110 %

### Ergot Alkaloids

**ELISA Kit, 96-well plate**  
Especially for rye and wheat

**ELISA Kit, 96-well plate**

**P/N 13344**

Direct comparison between measurements with LC-MS/MS and ELISA rapid test ErgoREAD

Sample	LC-MS/MS (Σ Ergot alkaloids)	ELISA ErgoREAD (Σ Ergot alkaloids)
Wheat*	1.68 µg/g	1.89 µg/g
Rye*	0.57 µg/g	0.48 µg/g
Triticale	2.41 µg/g	2.46µg/g

\*Data provided by BAM Federal Institute for Materials Research and Testing