GlutenAlert ELISA Kit

Enzyme immunoassay system for the quantitative detection of gluten in food products
Code: IC-02-1130 / 48 test
IC-02-1131 / 96 test

Intended use

GlutenAlert ELISA kit is intended to be used for the quantitative detection of gliadin and equivalent prolamin in different type of raw and cooked foodstuff by means of ELISA.

The system uses polyclonal antibodies against the gliadin fraction of the main cereals.

Key features

Sensitivity: 1.0 ppm of gliadin (equivalent to 2 ppm of gluten) in food matrix
Flexibility: 48/96 test format
Quantitative
Ready to use standards
Complying with UNI EN 15633-1 (April 2009)
Proficiency Tests:  • DLA 02/2011 “Allergens II: Soya and Wheat in Gluten Free Pastry”
  • FAPAS Proficiency Test 2762 June 2011: “Gluten in Infant Soya Formula”

Specifications

Samples  bakery products, cereals and derivates, milk and soy products, sauces, infant food, poly-phenols containing matrices.
ELISA  competitive indirect system
Antibodies  polyclonal
Units of measurement  gliadin / gluten
Limit of Detection (LOD)  approx. 1.0 mg of gliadin per kg of food sample (ppm), equivalent to 2 ppm of gluten
Limit of Quantification (LOQ)  2.5 mg of gliadin per kg of food sample, equivalent to 5 ppm of gluten
Calibration Curve  number of standards 5 (80-50-10-2-0 ppm of gliadin)
Detection  microtiter plate spectrophotometer (filter at 450 nm)
Cross Reactivity  no cross reactivity effects towards ingredients commonly used in food production and towards cereals listed in the Codex Alimentarius.

Extraction buffers (separately sold)  Gluten Extraction Kit (IC-02-1129) for raw and uncooked foodstuff
Gluten Buffer C (IC-02-1128) for cooked foodstuff