

# SoyAlert ELISA Kit



Enzyme immunoassay system for the quantitative detection of soy proteins in food products

Code: IC-02-1125 / 48 test

IC-02-1126 / 96 test

## Intended use

**SoyAlert ELISA kit** is intended to be used for the quantitative detection of soy in food products by means of ELISA.

The system uses polyclonal antibodies against the soluble component of soy flour proteins pool.

## Key features

High sensitivity: 0.4ppm of soy proteins in food matrix

Flexibility: 48/96 test format

Quantitative

Ready to use standards

Complying with UNI EN 15633-1 (April 2009)

Proficiency Test: DLA 02/2011 **“Soya and Wheat in Gluten Free Pastry”**

## Specifications

<b>Samples</b>	bakery products, cereals and pasta, milk and milk-products, cocoa, chocolate, sauces, drinks, infant food.
<b>ELISA</b>	competitive indirect system
<b>Antibodies</b>	polyclonal
<b>Units of measurement</b>	soy proteins / soy
<b>Limit of Detection (LOD)</b>	approx. 0.4 mg of soy proteins per kg of food sample (ppm)
<b>Quantification range</b>	1-20 mg of soy proteins per kg of food sample
<b>Calibration Curve</b>	number of standards 5 (20-6-1.6-0.15-0 ppm of soy proteins)
<b>Detection</b>	microtiter plate spectrophotometer (filter at 450 nm)
<b>Cross Reactivity</b>	weak cross reactivity (<0.001%) against peanuts, lentils and peas. <u>no cross reactivity</u> towards <b>lecithin from soy and milk.</b>
<b>Extraction Additives (separately sold)</b>	<b>EPA Extraction Powder</b> (code:IC-02-1122) for proteins extraction from cocoa-containing foodstuff.