

# AlerTox<sup>®</sup> Sticks Egg

## Validation Report

<b>Cat No.</b>	KIT 3025 (10 tests) and KIT3026 (25 tests)
<b>Test Name</b>	AlerTox Sticks Egg
<b>Description</b>	AlerTox Sticks Egg is based on a lateral flow immunoassay and uses antibodies specific to ovalbumin. The test is able to detect ovalbumin residues in a large variety of food matrices and also in environmental samples.
<b>Specificity and Sensitivity</b>	The assay is specific for ovalbumin. The limit of detection is 1.25 ppm of ovalbumin. The assay can't detect ovalbumin in heat-treated matrices (i.e. over 100 °C/ 212 °F for over 30 min).
<b>Storage</b>	Store at 2-25 °C (36-77 °F)

### Assay Procedure

Solid, liquid and surface samples: According to manual of use INS3014

### Validation Protocol

43 samples were analyzed separately to determine the correlation between AlerTox Sticks Egg and a commercially available ELISA against ovalbumin. The following data was obtained:

	Sample	Brand	ELISA Test	AlerTox Sticks Egg
1	Crackers	Tuc	positive	positive
2	Stock cubes	Avecrem Gallina Blanca	negative	negative
3	Tapioca flour	Royal	negative	negative

4	White wine	Unide	negative	negative
5	Red Wine	Vega Cubillas	negative	negative
6	Cupcakes	n/a	negative	negative
7	Chocolate cookies	n/a	negative	negative
8	Cocoa powder	Valor Cao	negative	negative
9	Soy Milk	n/a	negative	negative
10	Extruded Snacks	Grefusa	negative	negative
11	Baking chocolate	n/a	negative	negative
12	Cereal Porridge	n/a	negative	negative
13	Rice crackers with chocolate	n/a	negative	negative
14	Irish Cream	Baileys	negative	negative
15	Chocolate	Dulcinea	negative	negative
16	Wheat Flour	n/a	positive	positive
17	Chocolate Biscuit	Digestive	negative	negative
18	Biscuit with chocolate (milk)	Digestive	negative	negative
19	Breakfast cereal	Kellogg's Choco Krispies	negative	negative
20	Rice Flour	n/a	negative	negative
21	Crème caramel	Royal	negative	negative
22	Custard	Royal	negative	negative
23	Caramel Flan	Royal	negative	negative
24	Gelatin	Royal	negative	negative
25	Traditional Magdalene	n/a	positive	positive
26	Muffins	Supremas	positive	positive
27	Chocolate Cookies	n/a	negative	negative
28	Cereal corn balls with honey	n/a	negative	negative
29	Caramel-toasted biscuit	n/a	negative	negative
30	Cereal bar	Kellogg's Special K	negative	negative
31	Chocolate Rice Krispies	Kellogg's	negative	negative
32	Ladyfinger biscuits	Lerma	negative	negative
33	Breakfast Cookies	Yayitas	negative	negative
34	Pain au chocolat	n/a	negative	negative
35	Cookies	Oreo	negative	negative

36	Cream filled waffers	n/a	negative	negative
37	Chocolate filled cookies	n/a	negative	negative
38	Mini Muffins	Choco	positive	positive
39	Biscuits with Oat	Digestive	negative	negative
40	Sugar Free Muffins	n/a	positive	positive
41	Chocolate Cereals	Nesquik	negative	negative
42	Cocoa filled Cookies	n/a	negative	negative
43	Soy drink	ViveSoy	negative	negative

According to these results, the correlation between both techniques is 100% in the samples tested.

#### Validated Matrices

Biscuits, cereals, soy drinks, dehydrated food, baked products, chocolate cookies, chocolate cereals, chocolate, alcoholic and non-alcoholic drinks, sauces, cereal products, snacks.

#### Participation in Proficiency Test

AlerTox Sticks Egg was tested with FAPAS material 27245B (Cake Mix). The assigned result for the kit with more datapoints on this round was 24.8 mg/kg. AlerTox Sticks Soy yielded a positive result (>1.25 ppm) for this sample. Sample 2745A (Cake Mix) was negative with 97% consensus and AlerTox Sticks Egg yielded a negative (<1.25 ppm) result.