AlerTox® Sticks Beta-Lactoglobulin

Validation Report

Cat No.	KIT 3018 (10 tests) and KIT3019 (25 tests)
Test Name	AlerTox Sticks Beta-lactoglobulin
Description	AlerTox Sticks Beta-Lactoglobulin is based on a lateral flow immunoassay and uses antibodies specific to Beta-Lactoglobulin (BLG). This protein is a member of the lipocalin family and comprises approximately 10% of dry weight of defatted milk proteins. The test is able to detect BLG residues in a large variety of food matrices and also in environmental samples.
Specificity and Sensitivity	The assay is specific for BLG and does not cross-react with nor recognizes other milk proteins such as casein. The limit of detection is 2.5 ppm of BLG
Storage	Store at 2-25 °C (36-77 °F)

Assay Procedure
Solid, liquid and surface samples: According to manual of use INS3010

Validation Protocol

34 samples were analyzed separately to determine the correlation between AlerTox Sticks BLG and ELISA against BLG. The following data was obtained:

	Sample	Brand	AlerTox Sticks BLG	ELISA test
1	Earth almond-based drink	n/a	positive	positive
2	Kamut-based drink	n/a	negative	negative
3	Soy-based drink	Vivesoy	negative	negative
4	Hazelnut-based drink	n/a	negative	negative

5	Oat-based drink	n/a	negative	negative
6	Soy drink with strawberry flavor	n/a	negative	negative
7	Almond drink	n/a	negative	negative
8	Rice flour	n/a	negative	negative
9	Thickener	Maizena	positive	positive
10	Roquefort sauce	n/a	positive	positive
11	Infant cereal	Milupa	negative	Negative
12	Yoghurt cake	Royal	positive	Positive
13	Precooked rice flour	n/a	negative	Negative
14	Bread mix	Proceli	negative	Negative
15	Choco Krispies	Kellogg's	negative	Negative
16	Tacos	Old El Paso	Negative	Negative
17	Dried tomatoes Risotto	Gallo	Positive	Positive
18	Spice mix for burritos	Old El Paso	negative	negative
19	Corn crackers	n/a	negative	Negative
20	Chocolate 60% cocoa	Nestlé	negative	Negative
21	Guacamole	Old El Paso	negative	Negative
22	Nachos	Old El Paso	negative	Negative
23	Rice snack chili crackers	Osaka	positive	Positive
24	Baking powder	Royal	negative	Negative
25	Guacamole seasoner	n/a	negative	Negative
26	Cookie	Gullón	negative	Negative
27	Cookie with milk chocolate	Digestive	positive	positive
28	Ketchup	Prima	negative	Negative
29	Breakfast cereal with dark chocolate	Fitness	positive	positive
31	Wheat crackers	DIA	positive	Positive
32	Sausage	Del Celler	positive	Positive
33	Corn cracker	Old El Paso	negative	Negative
34	Crab sticks	n/a	negative	Negative

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

Validated Matrices

Baby food, biscuits, cereals, soy drinks, dehydrated food, baked products, chocolate cookies, chocolate cereals, chocolate, meat products, sauces, non-alcoholic drinks, cereal products, snacks.