



ALLERGENS

# AgraQuant®

## Allergen ELISA Test Kits

The AgraQuant® Allergen Test Kits are sandwich enzyme-linked immunosorbent assays (ELISA) for the sensitive and quantitative analysis of specific food allergen residues in a variety of food products.



### PRODUCT FEATURES

#### Highly sensitive

- Low detection limits

#### Rapid

- 60 minutes total incubation time

#### Stable

- 12 months shelf life

#### User friendly

- Ready-to-use reagents
- Simple handling procedure, common for all AgraQuant® Allergen test kits
- Same sample extract for multiple allergen tests

### How the test works

AgraQuant® Allergen test kits are based on ELISA technology. After extraction, any allergen in your sample is captured by antibodies that were pre-coated onto the wells. An enzymatic reaction causes color to develop in a manner that corresponds to the concentration of allergen present in the sample.

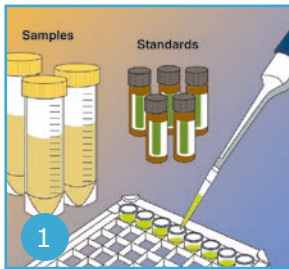
### Content of the kit

- Set of 5 Standards
- 48/96 antibody-coated microwells
- 1 bottle of extraction solution
- 1 bottle of wash buffer
- 1 bottle of detection antibody
- 1 bottle of substrate
- 1 bottle of stop solution

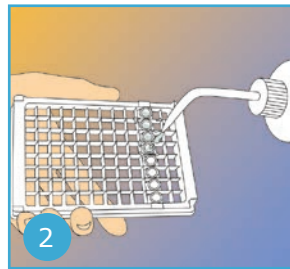
Product	Item No.	Quantitation range	Limit of Detection
AgraQuant® Almond	10002021	0.4 – 10 ppm	0.2 ppm
AgraQuant® Beta-Lactoglobulin	10002034	10 – 400 ppb	1.5 ppb
AgraQuant® Casein	10002037	0.2 – 6 ppm	0.04 ppm
AgraQuant® Cashew	10002094	2 – 60 ppm	0.2 ppm
AgraQuant® Crustacea	10002076	20 – 400 ppb	0.9 ppb
AgraQuant® Egg White	10002026	0.4 – 10 ppm	0.05 ppm
AgraQuant® Fish	10002083	4 – 100 ppm	1.4 ppm
AgraQuant® Gluten G12™	10001994	4 – 200 ppm	2 ppm
AgraQuant® Gluten	10002002	4 – 120 ppm	0.6 ppm
AgraQuant® Hazelnut	10002006	1 – 40 ppm	0.3 ppm
AgraQuant® Histamine	10002018	0.5 – 50 ppb	0.15 ppb
AgraQuant® Histamine Rapid	10002017	3 – 300 ppm	1 ppm
AgraQuant® Lupin	10002049	2 – 30 ppm	0.2 ppm
AgraQuant® Lysozyme	10002090	25 – 250 ppb	2 ppb
AgraQuant® Milk	10002080	0.4 – 10 ppm	0.05 ppm
AgraQuant® Mustard	10002070	2 – 60 ppm	1 ppm
AgraQuant® Ovalbumin	10002092	25 – 500 ppb	4 ppb
AgraQuant® Peanut	10001990	1 – 40 ppm	0.1 ppm
AgraQuant® Pistachio	10002086	1 – 40 ppm	0.13 ppm
AgraQuant® Sesame	10002064	2 – 30 ppm	0.2 ppm
AgraQuant® Soy	10002015	40 – 1000 ppb	16 ppb
AgraQuant® Walnut	10002030	2 – 60 ppm	0.35 ppm

# AgraQuant® Allergen

Please read the package insert provided with the kit before performing any assay.



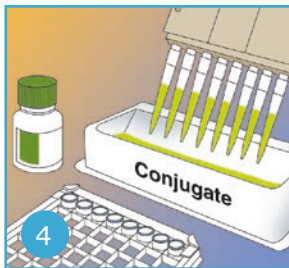
1 Add standards and samples to the antibody-coated wells and incubate for 20 min.



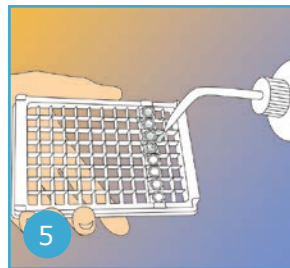
2 Discard contents from the wells and wash with wash buffer.



3 Tap to dry the plate.



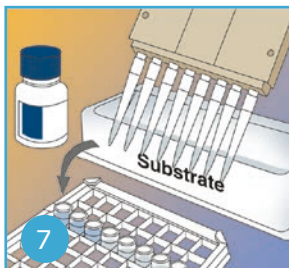
4 Add conjugate solution to the wells and incubate for 20 min.



5 Discard contents from the wells and wash with wash buffer.



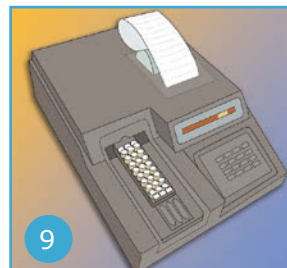
6 Tap to dry the plate.



7 Add substrate solution to each well and incubate for 20 min in the dark.



8 Add stop solution to each well.



9 Using an ELISA plate reader, determine the absorbance at 450 nm using 630 nm as reference.

10 Calculate results according to the instructions in the package insert, using the AgraQuant® spreadsheets provided free of charge upon request.

For collecting environmental samples, you may use our accessory kit:  
AgraQuant® Allergen swabbing kit; 10002205



ALLERGENS

# AgraStrip®

## Allergen Lateral Flow Devices

**AgraStrip® Allergen lateral flow devices are immunochromatographic rapid tests designed for the allergen analysis of food samples. They allow for the simple, on-site qualitative detection of allergen traces in raw materials, finished food products, rinse waters and environmental samples.**



### How the test works

AgraStrip® allergen lateral flow devices allow for the fast, qualitative determination of allergen presence. After an extraction of only 1 minute, the sample is transferred to an incubation vial containing allergen-specific antibodies. The formation of allergen-antibody complexes is then detected on the test strips, where it is visualized as a color line.

### Content of the kit

- 10 AgraStrip® lateral flow devices
- 1 bottle of ready-to-use extraction buffer
- 10 extraction tubes and caps
- 10 incubation vials
- 10 filtered dropper tips for the extraction tubes
- 10 swabs with break-off tips
- 1 rack for incubation vials

### PRODUCT FEATURES

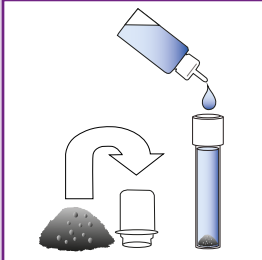
- Suitable for on-site testing
- No laboratory equipment needed
- Easy and simple procedure with ready-to-use components
- Highly specific and sensitive – low cut off levels
- Fast results – 11 minutes including extraction
- Stable – long shelf life at room temperature

Product	Item number	Limit of Detection
AgraStrip® Almond	10002019	2 ppm
AgraStrip® Beta-Lactoglobulin	10002032	0.5 ppm
AgraStrip® Brazil nut	10002055	5 ppm
AgraStrip® Casein	10002040	1 ppm
AgraStrip® Cashew/Pistachio	10002044	2 ppm
AgraStrip® Coconut	10002085	10 ppm
AgraStrip® Crustacea	10002074	2 ppm
AgraStrip® Egg	10002058	2 ppm
AgraStrip® Gluten	10002000	4 ppm
AgraStrip® Gluten G12	10001995	5, 10, or 20 ppm
AgraStrip® Hazelnut	10002004	5 ppm
AgraStrip® Lupin	10002047	10 ppm
AgraStrip® Macadamia nut	10002051	2 ppm
AgraStrip® Milk	10002078	1 ppm
AgraStrip® Mustard	10002068	2 ppm
AgraStrip® Peanut	10001988	1 ppm
AgraStrip® Sesame	10002062	5 ppm
AgraStrip® Soy	10002010	2 ppm
AgraStrip® Walnut	10002028	10 ppm

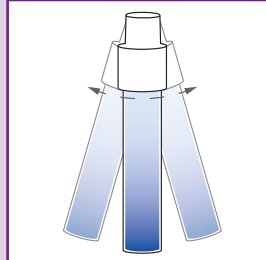
# AgraStrip® Allergen

Please read the instruction in the package insert completely before performing any test.

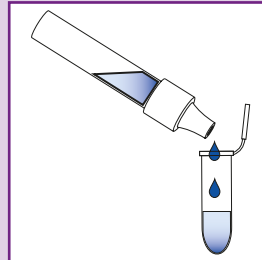
## 1 Extraction



Weigh in your sample and add it to the extraction tube. Then, fill the tube with extraction buffer until the fill level.

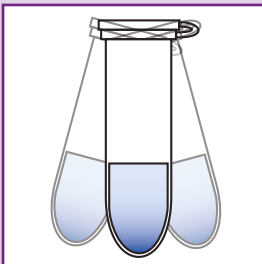


Close the tube with the cap, and shake vigorously by hand for 1 minute to extract the allergen.

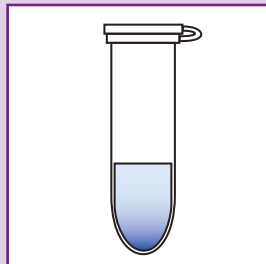


Remove the cap from the extraction tube and replace it with a filtered dropper tip. Transfer the extracted sample to a fresh incubation vial.

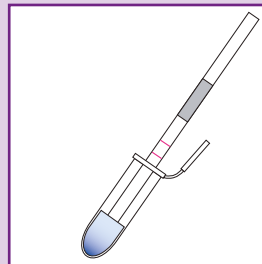
## 2 Assay



Close the lid of the incubation vial and shake vigorously by hand. Make sure that the extracted sample comes into contact with lid.



Place the incubation vial in the rack and incubate it for 5 minutes at room temperature.



Add a test strip to the incubation vial and incubate for 5 min. Ready! You can read the result.

Time  
to result  
11 min

Swabbing and rinse water application available.

This procedure may vary for some products. Please refer to the package insert of each product before performing any test.

In cooperation with IFP



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