



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.

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



Features and Benefits

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



AgraQuant® Allergen

Carefully read the product manual before performing any test.

- 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 product manual, using the AgraQuant® spreadsheets provided free of charge upon request.

Item	Quantitation range	Limit of Detection	Item No.
AgraQuant® Almond	0.4 – 10 ppm	0.2 ppm	10002021
AgraQuant® Beta-Lactoglobulin	10 – 400 ppb	1.5 ppb	10002034
AgraQuant® Casein	0.2 – 6 ppm	0.04 ppm	10002037
AgraQuant® Cashew	2 – 60 ppm	0.2 ppm	10002094
AgraQuant® Crustacea	20 – 400 ppb	0.9 ppb	10002076
AgraQuant® Egg White	0.4 – 10 ppm	0.05 ppm	10002026
AgraQuant® Fish	4 – 100 ppm	1.4 ppm	10002083
AgraQuant® Gluten G12®	4 – 200 ppm	2 ppm	10001994
AgraQuant® Gluten	4 – 120 ppm	0.6 ppm	10002002
AgraQuant® Hazelnut	1 – 40 ppm	0.3 ppm	10002006
AgraQuant® Histamine	0.5 – 50 ppb	0.15 ppb	10002018
AgraQuant® Histamine Rapid	3 – 300 ppm	1 ppm	10002017
AgraQuant® Lupin	2 – 30 ppm	0.2 ppm	10002049
AgraQuant® Lysozyme	25 – 250 ppb	2 ppb	10002090
AgraQuant® Milk	0.4 – 10 ppm	0.05 ppm	10002080
AgraQuant® Mollusk	10 – 400 ppb	1.7 ppb	10006023
AgraQuant® Mustard	2 – 60 ppm	1 ppm	10002070
AgraQuant® Ovalbumin	25 – 500 ppb	4 ppb	10002092
AgraQuant® Peanut	1 – 40 ppm	0.1 ppm	10001990
AgraQuant® Pistachio	1 – 40 ppm	0.13 ppm	10002086
AgraQuant® Sesame	2 – 30 ppm	0.2 ppm	10002064
AgraQuant® Soy	40 – 1000 ppb	16 ppb	10002015
AgraQuant® Walnut	2 – 60 ppm	0.35 ppm	10002030

For collecting environmental samples, you may use our accessory kit:

AgraQuant® Allergen swabbing kit; 10002205

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AgraStrip® Pro

Allergen Lateral Flow Devices

AgraStrip® Pro Allergen LFD kits are immunochromatographic rapid tests designed for the on-site, qualitative detection of allergen traces in foodstuffs, rinse waters, and environmental swabs.

How the test works

AgraStrip® Pro Allergen LFD kits are fast and simple to use. After a 1-minute extraction, 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 they are visualized as a colored line.

The procedure is simple and streamlined, designed to minimize handling and reduce the possibility of contamination. It can be used not only for swabs or rinse water samples but also for foodstuffs, without the need for extra buffers or centrifugation steps.

The AgraStrip® Pro kits are compatible with the AgraVision™ Pro system.



Features and Benefits

Highly specific and sensitive

Achieve precise and accurate results at low cut-off levels.

Easy and simple procedure

Minimize handling and reduce contamination risks without requiring intensive training.

Ready-to-use components

Bypass additional equipment or preparation, streamlining your workflow and conserving both time and resources.

Fast results on site – 11 minutes including extraction

Obtain insights in just 11 minutes, inclusive of extraction, expediting your decision-making process.

Suitable for on-site testing

Benefit from the flexibility to test outside traditional lab environments, enhancing your testing versatility.

Storage at room temperature

Reduce shipping costs associated with temperature-controlled items and minimize downtime, as there's no waiting for kits to warm up. Additionally, you'll save on refrigeration space.

Maximize benefits by using AgraStrip® Pro Allergen Test Strips with the AgraVision™ Pro Reader and the Romer Labs Data Manager*

Objective and consistent results

Eliminate the uncertainty in strip result readings and diminish analyst-related variability. Strips incubated at higher temperatures mitigate environmental influences.

Simple and more efficient workflow

The reader times the 2nd incubation automatically, ensuring results are read at the exact 5-minute mark. You can run up to 4 tests concurrently.

Connected

Stay on top of your data with blockchain-enabled test strips. Seamlessly collect, document, and manage data with Romer Labs Data Manager. Transfer this data to a PC, export to LIMS, or print out a report.

*For more information, request our application folder.



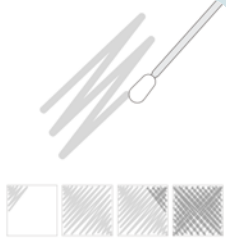
AgraStrip® Pro Allergen

Protocol for swab samples. Carefully read the product manual before performing any test.

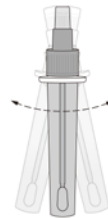
Extraction

1

Fill one extraction tube with extraction buffer, wet a swab in it and sample the 5 x 5 cm area with a cross-hatch technique.



Place the swab into the tube, breaking it off at the pre-scored point. Close and shake for 1 min.



Remove the small cap to open the dropper tip. Transfer the extract to a fresh incubation vial.



Assay

2

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



Tap the base of the vial onto a surface to ensure that no liquid is remaining in the lid. Let it incubate on the rack at room temperature for 5 minutes.



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



Time-to-result
11 min

Foodstuff and rinse water application available.

The procedure may vary for some products and matrices. Please refer to the respective product manual before performing any test.

Ordering Information

Item	Cut-off level		Item No.
AgraStrip® Pro Almond	2 ppm	Whole almond	10007055
AgraStrip® Pro beta-Lactoglobulin	0.5 ppm	beta-Lactoglobulin	10007056
AgraStrip® Pro Brazil nut	5 ppm	Whole brazil nut	10007057
AgraStrip® Pro Casein	1 ppm	Casein	10007058
AgraStrip® Pro Cashew/Pistachio	2 ppm	Whole nuts	10007059
AgraStrip® Pro Coconut	10 ppm	Dried coconut flesh	10007060
AgraStrip® Pro Crustacea	10 ppm	Crustacea (wet weight)	10007061
AgraStrip® Pro Gluten	4 ppm	Gluten	10007062
AgraStrip® Pro Hazelnut	5 ppm	Whole hazelnut	10007063
AgraStrip® Pro Lupin	10 ppm	Lupin beans	10007064
AgraStrip® Pro Macadamia	2 ppm	Whole nut	10007065
AgraStrip® Pro Milk	1 ppm	Milk protein	10007066
AgraStrip® Pro Mustard	2 ppm	Mustard seeds	10007067
AgraStrip® Pro Peanut	1 ppm	Whole peanut	10007068
AgraStrip® Pro Sesame	5 ppm	Sesame seeds	10007069
AgraStrip® Pro Soy	2 ppm	Soy flour	10007070
AgraStrip® Pro Walnut	5 ppm	Whole walnut	10007071
AgraStrip® Pro Whole egg	2 ppm	Dried whole egg	10007072