



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

Romer Labs Division Holding GmbH | Getzersdorf, Austria | T: +43 2782 803 0 | E: info.romerlabs@dsm.com