



ALLERGENS

AgraQuant®

Allergen ELISA Test Kits

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



How does the AgraQuant® Allergen Test Kit work?

The AgraQuant® Allergen Test Kits are based on ELISA technology. Allergenic proteins are extracted from a sample with an extraction buffer. Antibodies directed against the allergen are pre-coated on the surface of a microwell. The extracted sample or standards are applied to the wells and the allergens bind to the antibodies.

After a washing step an enzyme-conjugated antibody specific to the allergen is applied to the well and incubated. After a second washing step, an enzyme substrate is added and blue color develops. The intensity of the color is directly proportional to the concentration of allergen in the sample or standard. A stop solution is then added which changes the color from blue to yellow. The microwells are measured optically using a microwell reader. The optical densities of the samples are compared to the OD's of the standards and an interpretative result is determined.

Each kit comes complete with standards, antibody coated microwells, extraction buffer, wash buffer, conjugate, substrate and stop solution.

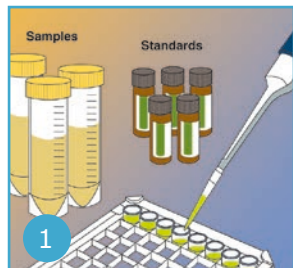
Test Kit	Item No.
AgraQuant® Almond	COKAL0748
AgraQuant® Casein	COKAL1200
AgraQuant® Cashew	COKAL3148
AgraQuant® Crustacea	COKAL2248
AgraQuant® Egg white	COKAL0848
AgraQuant® Fish	COKAL2548
AgraQuant® Gluten G12	COKAL0200
AgraQuant® Gluten	COKAL0248
AgraQuant® Hazelnut	COKAL0348
AgraQuant® β-Lactoglobulin	COKAL1048
AgraQuant® Lupin	COKAL1548
AgraQuant® Lysozyme	COKAL2848
AgraQuant® Milk	COKAL2448
AgraQuant® Mustard	COKAL2148
AgraQuant® Ovalbumin	COKAL2948
AgraQuant® Peanut	COKAL0148
AgraQuant® Pistachio	COKAL2748
AgraQuant® Sesame	COKAL1948
AgraQuant® Soy	COKAL0448
AgraQuant® Walnut	COKAL0948

CUSTOMER BENEFITS

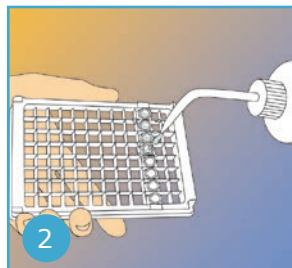
- Highly sensitive – low detection limits
- Rapid – 60 minutes total incubation time
- Stable – 12 months shelf life
- User friendly - ready to use reagents and simple handling procedure, common for all AgraQuant® Allergen Test Kits
- Cost-effective – breakaway microwell format; minimizes waste and maximizes value

Procedure for AgraQuant® Allergen Test Kit

Read the kit insert before running the test.



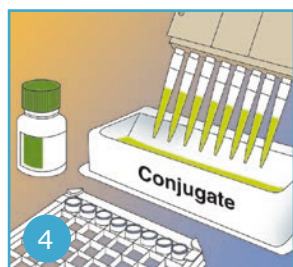
1 Add 100 µL standard or sample to antibody coated well and incubate for 20 minutes.



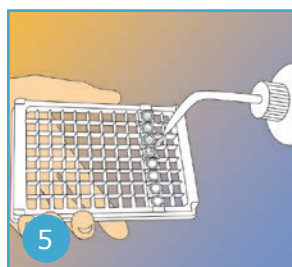
2 Discard contents from the wells and wash five times with wash buffer.



3 Tap to dry the plate.



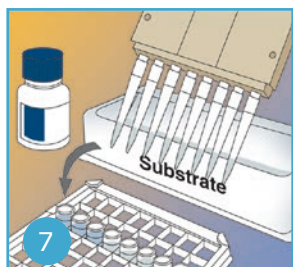
4 Add 100 µL of conjugate into well and incubate for 20 minutes.



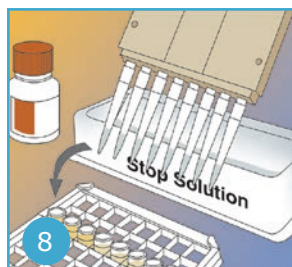
5 Discard contents from the wells and wash five times with wash buffer.



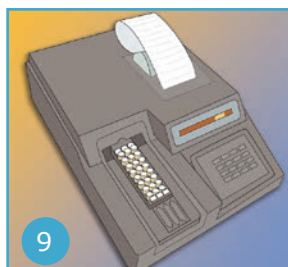
6 Tap to dry the plate.



7 Add 100 µL substrate to each well and incubate for 20 minutes in the dark.



8 Add 100 µL stop solution to each well.



9 Read wells with a microwell reader using a 450 nm filter and interpret results.