

# AgraStrip® Pro Allergen

This quick guide is valid only for the kits listed below.

Allergens



## Technical Specifications:

Item No.	Analyte	Cut-off		
		Foodstuffs and rinse water [ppm]	Swabs [ $\mu$ g]*	Kit Units
10007055	Almond	2	2	Almond
10007056	beta-Lactoglobulin	0.5	0.5	beta-lactoglobulin
10007057	Brazil nut	5	5	Brazil nut
10007058	Casein	1	1	Casein
10007059	Cashew/Pistachio	2	2	Cashew/pistachio
10007060	Coconut	10	10	Dried coconut flesh
10007061	Crustacea	10	10	Crustacea (wet weight)
10007063	Hazelnut	5	5	Hazelnut
10007064	Lupin	10	10	Lupin
10007065	Macadamia	2	2	Macadamia
10007066	Milk	1	1	Milk protein
10007067	Mustard	2	2	Mustard
10007068	Peanut	1	1	Peanut
10007069	Sesame	5	5	Sesame
10007070	Soy	2	2	Soy flour
10007071	Walnut	5	5	Walnut
10007072	Whole egg	2	2	Dried whole egg

\*Swabbing area is 25 cm<sup>2</sup>. Cut-off was calculated.

**Assay time including extraction:** 11 minutes

**IMPORTANT:** Please read the product manual before performing the assay.

Download the product manual, certificate of analysis and other documents by scanning the QR code on the external label or by visiting <https://www.romerlabs.com/en/customer-resources/>

## Sample extraction

1

Add **0.2 mL** liquid sample (or rinse water), or weigh in **0.2 g** of homogenized sample into the **extraction tube**. Fill with extraction buffer to the level shown in the picture.



2

Close the tube with the cap and vigorously shake by hand for **1 minute**. You can squeeze the tube to help suspend the sample. Proceed to step 3 (on the other side of this page).



1

Fill one **extraction tube** with extraction buffer up to the neck of the tube (see step 1 for solid/liquid samples). Wet a swab by dipping it into the buffer. Wipe an area of **5 x 5 cm** using side-to-side movements, rotating the swab tip as you go.



2

Place the swab into the extraction tube. Carefully break off the end at the pre-scored point. Close the tube with a cap and shake vigorously for **1 minute**. Proceed to step 3 (on the other side of this page).



Liquid/Solid samples

Swab samples



## Sample testing

3

Remove the smaller cap to open the dropper tip and transfer **6 drops (200 µL)** into an incubation vial. Close the lid of the vial.



4

Shake the incubation vial vigorously by hand for **15 seconds**. Make sure that the liquid comes into contact with the lid of the vial.



5

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**.



6

Take one test strip from its container and place it vertically (arrows pointing downwards) into the incubation vial. Incubate for **5 minutes**. **Read the result immediately.**



## Results interpretation:

It is important to read the results **immediately after the 5-minute incubation step**. Longer incubation times can lead to false-positive results. The AgraStrip® Pro Allergen LFD kits have been extensively validated to show reliable results at exactly 5 minutes.

### Negative results

**Only the control band (C) appears in the results area of the test strip.**

### Positive results

**The control band (C) and the test band (T) appear in the results area of the test strip.** The sample could contain the target allergen in a concentration higher than the cut-off value and further investigations should be performed (e.g. quantification of the allergen using AgraQuant® Allergen ELISA kits).

### Invalid results

No control band (C) appears, regardless of whether the test band (T) appears. Repeat the procedure with a new strip. If the problem persists, please contact Romer Labs before continuing.

