

AgraStrip® Gluten G12®

Item no. 10001995

Allergens



Technical Specifications:

LOD			
Foodstuffs [ppm]	Rinse water [ppm]	Swabs** [ug]	Kit Units
5, 10 or 20*	35	4	Gluten

* The Cut-off in foodstuffs can be adjusted by dilution.

**Validated by swabbing surfaces of 25 cm².



Storage: The kits must be stored RT (15 – 25 °C (59 – 77 °F)). Do not freeze. Do not open until needed. Store the test strips only in their original packaging. Do not use beyond the expiration date indicated on the package. The extraction buffer may appear cloudy. This is normal. Please shake it well before use. Unpleasant smell of the extraction buffer has no effect on the performance of the kit.

Sample extraction

1

Add **0.5 mL** of rinse water into a dilution tube. Proceed to **step 4** (on the other side of this page).

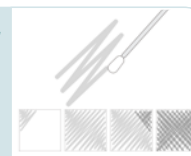


Rinse water

Sample extraction (continuation)

1

Fill one extraction tube with **extraction buffer (Bottle A)** up to where the tube gets thicker. 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**. Remove the cap and replace it with a fresh dropper tip. Proceed to step 3 (on the other side of this page).



1

Add **0.2 mL** liquid sample or weigh in **0.2 g** of homogenized sample into the extraction tube. You can estimate this amount by filling up one extraction tube cap. Fill with **extraction buffer (Bottle A)** to the level shown in the picture.



2

Close the tube with the cap and vigorously shake by hand for **1 minute**. remove the cap from the extraction tube and replace it with a fresh dropper tip. Proceed to step 3 (on the other side of this page).



Swab samples

Food stuffs

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/>

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3

Transfer **3 drops (100 µL)** of the sample extract to a dilution tube.
NOTE: this step do not apply for rinse water samples.



4

Add **dilution buffer (Bottle B)** according to the sample type and desired cut off value (see dilution table). Close the dilution tube and shake it vigorously for **15 seconds**.



5

Place a test strip vertically (white arrows pointing down) into the dilution tube. Allow the liquid to flow up the strip to the wick pad (see arrow in the image to the left). This takes approximately **45 seconds**.



6

Remove the test strip from the dilution tube and place it upright (arrows pointing down) into a slot of the vial rack. Allow the strip develop for **10 minutes** and read the result immediately.



Dilution table:

Sample type	Amount of dilution buffer to add	Cut-off
Rinse water	5 drops	35 ppb
Swabs	Fill up to mark "5"	4 µg
Foodstuffs	Fill up to mark "5"	4 ppm
	Fill up to mark "10"	10 ppm
	Fill up to mark "10"	20 ppm

Results interpretation:

Negative results

Only the control band (C, blue) appears in the results area.

Positive results

Control band (C, blue) and test band (T, red) appear in the results area. The sample could contain gluten in a concentration higher than the LOD. The intensity of the line varies with the allergen concentration.

Invalid results

No control band (C, blue) appears. Regardless of whether the test band appears, please repeat the test with a fresh strip.

