Quick Guide

Allergens

AgraStrip® Gluten G12®

AgraStrip® Gluten G12® Test Kit includes:

- 10 AgraStrip® lateral flow devices
- 1 bottle of ready-to-use extraction buffer
- 1 bottle of dilution buffer
- 10 extraction tubes and caps
- 10 filtered dropper tips for the extraction tubes
- 10 dilution tubes and caps
- 10 swabs with break-off tips
- 1 rack for incubation vials

Shelf life: 12 months

This test kit's performance was reviewed by AOAC Research Institute and was found to perform to the manufacturer's specifications. The following matrices have been validated according to AOAC Performance Tested Methods (PTM) protocols:
rice flour, bread, cookies, ice cream and dark chocolate.
Stainless steel has been validated per AOAC PTM protocol for environmental surface swab testing.

* The rinse water test method has been validated internally by Romer Labs®

Test procedures for:

- Raw materials/processed food
- Rinse waters*
- Swab samples

Also available::

- AgraStrip® Pro Allergen LFD Test kits
- AgraQuant® Plus Allergen ELISA Test kits
- AgraQuant® Allergen ELISA Test kits

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Romer Labs®
Making the World's Food Safer

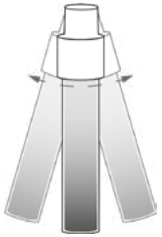
AgraStrip® Gluten G12®

Allergens

Procedure for foodstuffs

1. 

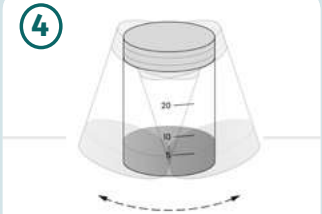
Add **0.2 mL** of liquid sample or weigh in **0.2 g** of homo-genized sample into the extraction tube. You can estimate this amount by filling up one extraction tube cap. Fill tube with extraction buffer (bottle A) to the level shown in picture.

2. 

Close the tube with the cap and shake vigorously by hand for **1 minute**. Remove the cap from the extraction tube and replace it with a fresh dropper tip.

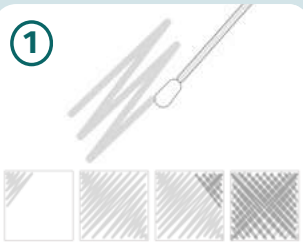
3. 

Transfer **3 drops (100 µl)** of the sample supernatant into the dilution tube by squeezing the extraction tube.

4. 

Transfer dilution buffer (bottle B) into the dilution tube up to one of the cutoff level marks (5/10/20 ppm gluten). Close the dilution tube with the cap and shake vigorously by hand for **15 seconds**.

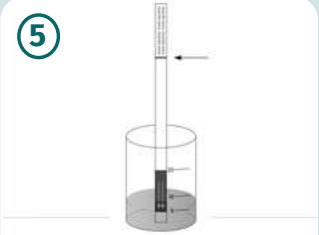
Procedure for environmental swabs

1. 

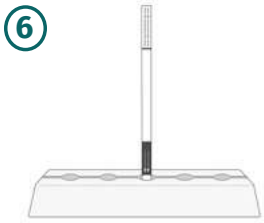
Fill one extraction tube with extraction buffer up to the bottom of the neck of the tube, and wet the swab by dipping into the buffer. Wipe an area of 5 cm x 5 cm using side to side movements, rotating the swab tip as you go.

2. 

Place the swab into the extraction tube and 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.

5. 

Take off cap and place a test strip vertically (arrows pointing down) into the dilution tube. Allow the liquid to flow up the strip to the wick pad (see arrow on the image). This takes about 45 seconds.

6. 

Once the liquid has flowed up to the wick pad, 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.

Result Interpretation

Negative Result:
Only the control line (C, blue) appears in the results area of the test strip.

Positive Result:
The control line (C, blue) and the test line (T, red) appear in the results area of the test strip. Even a faint line in the test zone implies a positive. The sample contains gluten in a concentration higher than the chosen cut-off value.

Invalid Result:
No control line appears. Regardless of whether the test line appears, please repeat the test with a fresh strip.

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