



V.11/Jun. 2026

Rapid Test Easy for Egg	(Cat. # M2241)
Rapid Test Easy for Casein	(Cat. # M2242)
Rapid Test Easy for Gluten	(Cat. # M2243)
Rapid Test Easy for Buckwheat	(Cat. # M2244)
Rapid Test Easy for Peanut	(Cat. # M2245)
Rapid Test Easy for Soya	(Cat. # M2246)
Rapid Test Easy for Crustacean	(Cat. # M2247)
Rapid Test Easy for Mustard	(Cat. # M2249)

For the Quick Detection of Protein of Allergenic Ingredients
in PBS and water

10 tests

For Research or Laboratory Use Only
Not for Use in Diagnostic Procedures
Please read full descriptions in this manual before use

Manufactured by:

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Warnings

- Store the kit at 2–30°C (35–86°F), and DO NOT FREEZE.
- Do not use the kit after the expiration date indicated on the box.

1. Intended Use

Rapid Test Easy is intended for a quick detection of protein from allergenic ingredients on environmental surfaces (swab test) and in rinse water.

NOTE: For testing proteins of allergenic ingredients in food samples, use Rapid Test Pro II, Food Allergen ELISA or Food Allergen ELISA II.

2. Description of the Product

- A qualitative test in lateral flow immunoassay format for visual detection
- A simple sample preparation procedure
- Provide test results in 10 minutes
- Available for the following solutions or solvents: Phosphate-buffered saline (PBS) or water
- Performance characteristics of each kit are shown in Table1-8.

Table 1. Performance characteristics in Rapid Test Easy for Egg

Limit of detection	Surfaces (swab test): 0.5 ppm (µg of egg protein / mL of swab solution) Rinse water: 0.5 ppm (µg of egg protein / mL of rinse water)
Specificity	The antibody reacts with ovomucoid

Table 2. Performance characteristics in Rapid Test Easy for Casein

Limit of detection	Surfaces (swab test): 0.4 ppm (µg of casein / mL of swab solution) Rinse water: 0.4 ppm (µg of casein / mL of rinse water) (0.4 ppm casein correspond to 0.5 ppm milk protein)
Specificity	The antibody reacts with casein

Table 3. Performance characteristics in Rapid Test Easy for Gluten

Limit of detection	Surfaces (swab test): 0.4 ppm (µg of gluten / mL of swab solution) Rinse water: 0.4 ppm (µg of gluten / mL of rinse water) (0.4 ppm gluten correspond to 0.5 ppm wheat protein)
Specificity	The antibody reacts with gliadin*

*Cross reacts to barley and rye

Table 4. Performance characteristics in Rapid Test Easy for Buckwheat

Limit of detection	Surfaces (swab test): 0.5 ppm (µg of buckwheat protein / mL of swab solution) Rinse water: 0.5 ppm (µg of buckwheat protein / mL of rinse water)
Specificity	The antibody reacts with multiple buckwheat proteins

Table 5. Performance characteristics in Rapid Test Easy for Peanut

Limit of detection	Surfaces (swab test): 0.5 ppm (µg of peanut protein / mL of swab solution) Rinse water: 0.5 ppm (µg of peanut protein / mL of rinse water)
Specificity	The antibody reacts with multiple peanut proteins

Table 6. Performance characteristics in Rapid Test Easy for Soya

Limit of detection	Surfaces (swab test): 0.5 ppm (µg of soya protein / mL of swab solution) Rinse water: 0.5 ppm (µg of soya protein / mL of rinse water)
Specificity	The antibody reacts with β-conglycinin

Table 7. Performance characteristics in Rapid Test Easy for Crustacean

Limit of detection	Surfaces (swab test): 0.5 ppm (µg of crustacean protein / mL of swab solution) Rinse water: 0.5 ppm (µg of crustacean protein / mL of rinse water)
Specificity	The antibody reacts with tropomyosin

Table 8. Performance characteristics in Rapid Test Easy for Mustard

Limit of detection	Surfaces (swab test): 0.5 ppm (µg of mustard protein / mL of swab solution) Rinse water: 0.5 ppm (µg of mustard protein / mL of rinse water)
Specificity	The antibody reacts with mustard 2S albumin

3. Kit Components

Component	Amount
Test Stick	10 packs (1 stick/pack)
Swab Kit	10 bottles (10 mL of PBS/bottle)

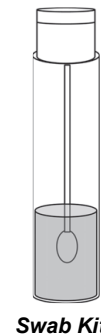
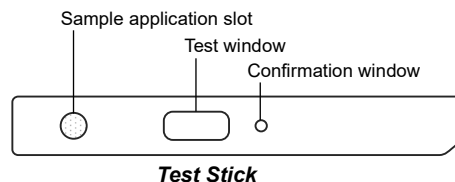


Fig. 1. Components

4. Preparation of Test Solution and Test Procedure

Precautions

- ✓ Make sure to avoid cross-contaminations via tubes, containers, pipettes, etc. The use of disposable materials is recommended.
- ✓ Prior to use, adjust the temperature of a **Test Stick** to 20–30°C (68–86°F) and open the package just before use. At low-temperature the **Test Stick** may not work properly.
- ✓ The **Test Solution** should be tested at room temperature (20–30°C/ 68–86°F).
- ✓ The presence of detergent, bleach or chlorine in the **Test Solution** may affect assay results. It is recommended to check the influence before use.
- ✓ Do not touch either the sample application slot or the test window of the **Test Stick**.

(A) For swab test sample

- Open a screw cap of the **Swab Kit**, and squeeze the swab bud to remove excess moisture.
- Thoroughly wipe across (zigzagging) the specified surface area of 10 cm × 10 cm with the swab 1st pass in diagonal, and a 2nd pass in diagonal perpendicular to the 1st pass (Fig. 2 (a)).
- Place the swab into the bottle, cap tightly and shake it vigorously, not in a vertical direction. The resulting swab solution is referred to as **Test Solution** (Fig. 2 (b)).
- Place the **Test Stick** horizontally. Open the lid and invert the **Swab Kit**. Apply 200 µL (4 drops) of the **Test Solution** to the sample application slot by squeezing (Fig. 2 (c)).

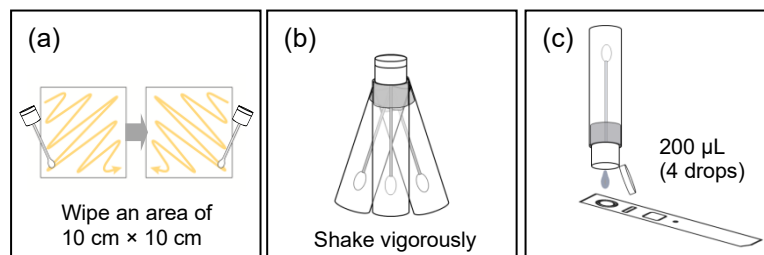


Fig. 2. Test steps for swab test sample

(a) Surface swabbing, (b) Sample preparation, (c) Application of the **Test Solution** to a **Test Stick**

(B) For rinse water sample

- Collect rinse water and referred to as **Test Solution** (Fig. 3 (a)).
- Place a **Test Stick** horizontally and apply 200 µL of the **Test Solution** to the sample application slot (Fig. 3 (b)).

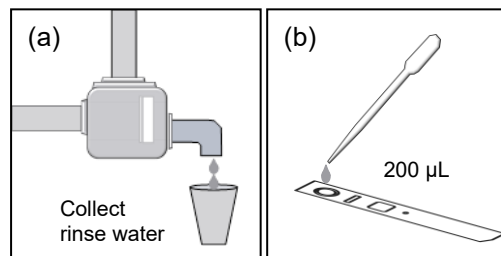


Fig. 3. Test steps for rinse water sample

(a) Sample preparation, (b) Application of the **Test Solution** to a **Test Stick**

5. Results

- Incubate the **Test Stick** for exactly 10 minutes at room temperature on a flat and horizontal surface.
- Immediately interpret the results in the test window as described below.

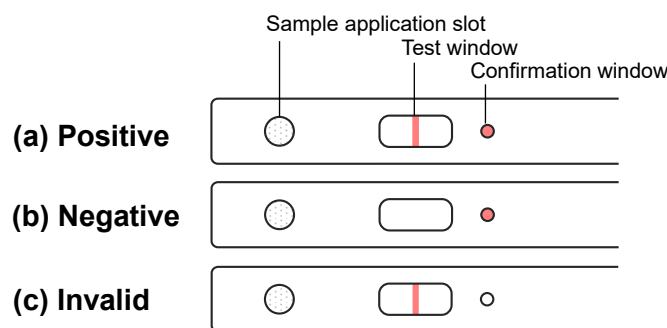


Fig. 4. Interpretation of results

- (a) Positive: A red line in a test window together with red color in a confirmation window.
(b) Negative: No line in a test window together with red color in a confirmation window.
(c) Invalid: No color in a confirmation window.

NOTE: If there is no color in a confirmation window, retest with a new **Test Stick**.

False-negative results may occur depending on the condition of the target protein.

If false-negative results occur at high concentrations of the target protein (hook effect), retest with a diluted **Test Solution**.

If the line is only partially visible in the test window, the result should be considered invalid. Retest using a new **Test Stick** and a freshly prepared **Test Solution**.

6. Warranties

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