

Validation Report

Rapid Test Easy for Egg

Cat.# M2241

**The quick detection for egg proteins
in swabs and clean-in-place rinse water**

Detection Limit 0.5 µg/mL egg protein

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1. Scope

The Rapid Test Easy for Egg is a lateral flow method for quick determination of whether there are residual egg proteins of allergenic ingredients in swabs and Clean-in-place rinse water. Water or phosphate buffered-saline(PBS(-)) can be used to prepare test solutions.

2. Overview

Detection protein	Ovomucoid
Detection limit	0.5 µg/mL egg protein
Reaction time	10 min

3. Sensitivity

Raw Egg protein concentration	in water	in PBS(-)
0 ppm	-	-
0.5ppm	+	+
50 ppm	+	+
200ppm	+	+
500 ppm	±	-

+: Positive ±: Weak positive

-: Negative

*Protein concentration was valued using a 2-D Quant Kit (GE Health care)

Boiled Egg protein concentration	in water	in PBS(-)
0 ppm	-	-
0.5 ppm	+	+
10 ppm	+	±
50 ppm	+	-
200 ppm	±	-

+: Positive ±: Weak positive

-: Negative

*Protein concentration in water was valued using a 2-D Quant Kit (GE Health care) while in PBS was valued by a Bradford method.

4. Confirmation of Prozone Phenomenon

Material	in water	in PBS(-)
0.1% Raw egg	+	+

5. Cross-Reactivity

Material	0.1 % material in water	0.1 % material in PBS(-)
Milk	-	-
Wheat	-	-
Buckwheat	-	-
Soy bean	-	-
Corn flour	-	-
Peanut (Roasted)	-	-
Rice flour	-	-
Corn flour	-	-
Shrimp	-	-
Crab	-	-