

# Validation Report

## Rapid Test Easy for Buckwheat Cat.# M2244

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

**Detection Limit            0.5 µg/mL buckwheat protein**

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## 1. Scope

The Rapid Test Easy for Buckwheat is a lateral flow method for quick determination of whether there are residual buckwheat 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	Buckwheat
Detection limit	0.5 µg/mL buckwheat protein
Reaction time	10 min

## 3. Sensitivity

Buckwheat solution protein concentration	in water	in PBS(-)
0 ppm	-	-
0.5 ppm	+	+
20 ppm	+	+
200 ppm	+	+

+: Positive    ±: Weak positive  
-: Negative

Boiled buckwheat solution protein concentration	in water	in PBS(-)
0 ppm	-	-
0.5 ppm	+	+
20 ppm	+	+
200 ppm	+	+

## 4. Confirmation of Prozone Phenomenon

Material	in water	in PBS(-)
0.5% buckwheat	+	+

## 5. Cross-Reactivity

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