

Validation Report

Rapid Test Easy for Peanut

Cat.# M2245

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

Detection Limit 0.5 µg/mL peanut protein

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1. Scope

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

3. Sensitivity

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

+: Positive ±: Weak positive
-: Negative

Boiled peanut 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(-)
0.1% Peanut paste	+	+

5. Cross-Reactivity

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