GUARANTEE YOUR FOOD SAFETY WITH
OUR INNOVATIVE TECHNOLOGIES

FSTest ™ InstaPro Swab

Protein Check After Cleaning: Swab. Detect. Confirm.



Introduction

The FSTest InstaPro Swab is a ready-to-use testing tool for detecting protein residues on surfaces after cleaning. When protein is present, the swab undergoes a clear color shift—from green to gray to purple—with higher protein levels producing a faster and deeper color change.

This test provides a quick and reliable way to verify surface cleanliness, making it especially valuable for HACCP programs and other hygiene monitoring system. In addition to proteins, FSTest InstaPro Swab can also respond to certain reducing substances, such as simple sugars, tannins, and ascorbic acid.

Principle

The FSTest InstaPro Swab works on the Biuret reaction principle. Under alkaline conditions, copper ions (Cu^{2+}) form complexes with protein peptide bonds resulting in reduced copper Cu^{+}. The Cu^{+} then reacts with the bicinchoninic acid (BCA) reagent to produce a stable purple chromogen complex which can be observed visually.

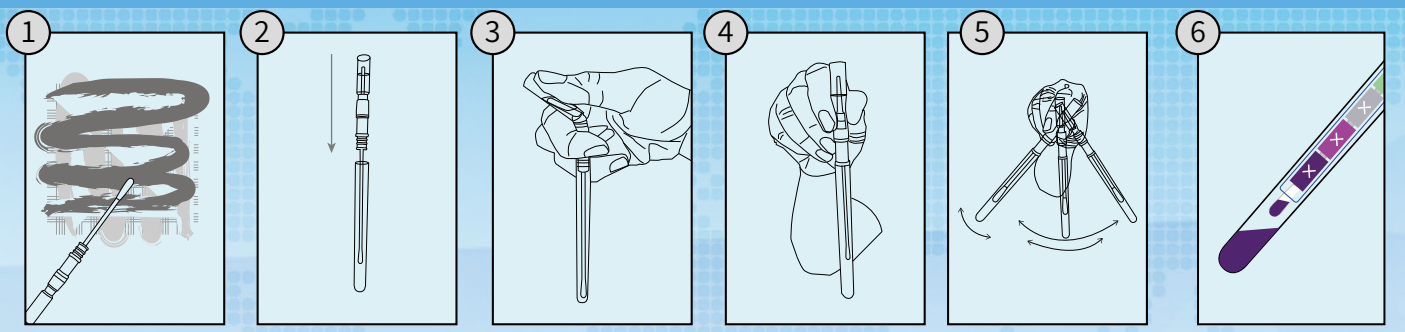
$$\text{Protein} + Cu^{2+} \xrightarrow{OH^-} \text{Protein-}Cu^{+} \xrightarrow{+BCA} \text{Purple Complex}$$

Why Choose FSTest?

Feature	Benefit
Fast Results	Clear color change in 10 minutes
High Sensitivity	Detect 80μg in 1 minute, 50μg in 5 minutes, and 20μg in 10 minutes at 21-25°C
Simple to Use	No instruments required-just swab, snap, and shake
Visual Clarity	Easy-to-interpret color scale

Catalog No.	Description	Quantity
MC32.3121.5	InstaPro Swab	25

How It Works



Sample | Screw back the swab | Break the blue valve | Gently squeeze 3-5 times | Shake it 5-10sec | Result interpretation

The faster and darker the color change, the higher the level of protein contamination





Product Specifications

Detection Time: within 10 minutes

Storage Conditions: 2–8 ˚C

Shelf Life: 12 months

Applications

Food production lines, HACCP verification tasks, Catering equipment, Cleanroom and GMP surface checks.











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