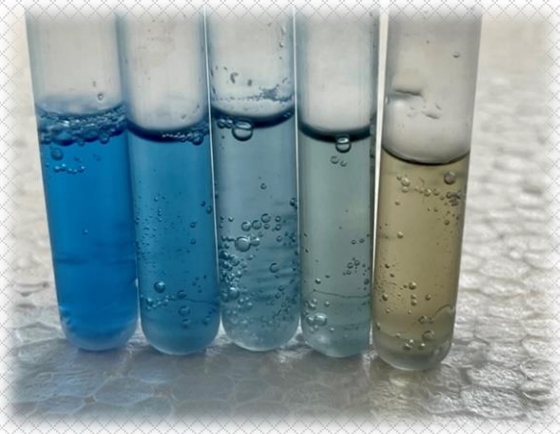
# Protein OnSite-Check™ Swab



## Qualitative hygiene test
## Assesses the effectiveness of cleaning
## Detects protein residues on surfaces

PLEASE READ INSTRUCTIONS BEFORE USE

VISIT OUR WEB SITE FOR WARRANTY

Document CP063 – REV03

Valid from 17-November-2023

Store kits between: 2°C/36°F 8°C/46°F

Use between: 4°C/39°F 25°C/77°F

Single Use:

PRECAUTIONS

- Wash hands before testing
- Do not open Swab Devices until ready to sample
- If the solution in the Swab Device comes into contact with skin or eyes, rinse thoroughly with plenty of water for 15 minutes. If irritation develops, seek immediate medical attention
- Results may be affected by high levels of detergents and cleaners present on a surface and may result in inaccurate assay results (validate test before use)
- Do not use past the expiry date on the Swab Device


For US orders:
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Bio-Check uk

## HYGIENE

**Qualitative Onsite Tests**

| | |
|---|---|
| **Swabbing:** | **1 min.** |
| **Extraction:** | **10 sec.** |
| **Test:** | **10 sec.** |

**Total Test time: ~1 min.**

**Detection Limit: 50µg**
**Meat Serum albumins**
**Whole Egg protein**
**Skimmed Milk protein**
**Soya flour protein**
**from surface (100cm²)**

Bio-Check's Quality Management System is ISO 9001:2015 certified for the development, manufacture and distribution of test kits for food, healthcare and veterinary products.


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OnSite-Check™

# Protein OnSite-Check™ Swab

For on-site assessment of the effectiveness of cleaning of food contact surfaces and equipment

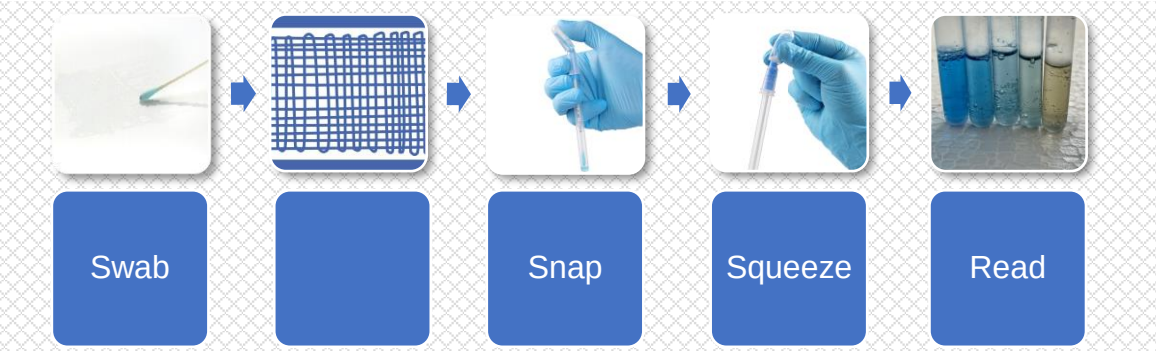
**These instructions (IFU) are applicable to single (R5233), 25 (R6164) and 100 (R6163) tests.**

## Test Principle

The test assesses cleanliness by detecting any protein residues remaining after cleaning from the previously processed food or liquids. In the presence of proteins, the dye in the test changes colour to indicate their presence. If no protein is detected, the solution in the Swab Device tube will remain gold in colour, to indicate the surface is clean (i.e. 'pass'). A colour change to any blue shade indicates protein has been detected and failure of the cleaning process. With a change to a deeper intensity of blue (e.g. sky blue) a higher level of protein is detected.

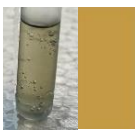
## Procedure

Test time: ~1 minute

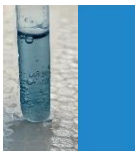



1. Select only visibly clean surfaces for testing.
2. Remove the lower tube of the Swab Device by gently twisting and pulling the tube to separate it from the upper part of the Device.
3. Without touching the swab, place the swab tip of the Device on the surface to be tested.
4. Using a criss-cross approach, swab a defined portion of the surface (e.g. 10 x 10 cm / 4 x 4 inch), by swabbing first in one direction and then in another (at right-angles to the first) and with each back and forth sweep of the swab, rotate the swab tip, so that all sides of the swab tip collect any residues present on the surface. For best results, repeat again in a diagonal direction.
5. Return the swab to the Swab Device tube and by holding the collar of the Swab Device, firmly push the bulb until the blue rod inside breaks. Firmly squeeze the bulb to push reagent through the fibres of the swab tip. Release pressure on the bulb to pull reagent back up into the bulb. Repeat slowly, at least 8 more times, until most of the liquid is now back in the tube (and not the bulb).
6. Before reading the test, remove the swab from the Swab Device tube.
7. Read the test by examining the colour (stable for 24 hours at 20°C) of the solution in the Swab Device tube, without the swab (the tip now appears blue in colour). To assist this examination and to interpret the result, read below:

**PASS RESULT**: (Hint to remember: 'As good as **gold**')
If the solution (not the swab tip) remains gold-coloured, the test result is considered to be a 'Pass' as the surface is clean, requiring no further action.



**FAIL RESULT**: (Hint to remember: 'The cleaning **blues**')
If the colour changes to grey/blue (low level), or sky blue (higher level) is indicative of increasing protein contamination on the surface (i.e. a failure with the clean) and appropriate corrections are needed (e.g. repeat test, inform supervisor / manager, reclean).



**PLEASE NOTE**: It is important to validate the test to ensure that the cleaning chemicals used do not interfere with the test response (see Validation Report for more details).