

Total Protein

The RapidChek™ Total Protein test is a colorimetric assay designed to screen surfaces for protein residues. Insufficient cleaning can result in unhygienic conditions. Testing surfaces for protein residues can therefore help to verify the effectiveness of a sanitation program.



How the test works

The method is based on chemical reactions that occur in the presence of amino acids, peptides and proteins. When proteins are present on the sampled surface and brought into contact with the reagent on the test strip, a visually noticeable change of color from yellow to blue will occur. The limit of detection (LOD) is 3 µg for total protein (bovine serum albumin as control). The LOD limit can vary depending on the source of the protein.

Applications

RapidChek™ Total Protein detects residues from foodstuffs remaining on the surface of production and processing equipment. The test is designed to help cleaning personnel verify their cleaning procedure. The test takes 30 seconds, and no additional equipment, aside from a device for the application of deionized or distilled water, is needed. Only the swab pad comes into contact with the surface, so no cleaning after testing the surface is necessary. Protein test systems are a perfect complement to any microbial hygiene management system as they can provide hygiene indicators immediately prior to the start of a production run.

Kit contents

Tube with 30 test strips

Required but not included in the kit

- Deionized or distilled water
- Water applicator (e.g. spray bottle)

FEATURES & BENEFITS

Fast and simple procedure

- Time-to-result: 30 seconds
- No additional equipment required
- No temperature-dependent incubation step
- No chemicals come into contact with tested surface
- Compact and easy to transport

High sensitivity

- 3 µg for total protein (bovine serum albumin as control)

Environmentally friendly

- Low carbon footprint
- Reusable spray bottle
- No toxic components

RapidChek™ Total Protein

Quick Reference

Read the package insert instructions completely before performing any test.



1
Moisten the sampling area with a sufficient amount of deionized or distilled water.



2
Wipe the surface using a RapidChek™ Total Protein strip.



3
Wait 30 seconds to allow the color reaction to occur.

- **Unchanged yellow line:** invalid result (not enough water reached the test line)
- **Colorless to fuzzy yellow line:** negative (no protein residues detected)
- **Blue:** positive (protein residues detected)

Ordering Information—RapidChek™ Total Protein

Item	Description	Item No.
Protein test strips	30 strips a can with desiccant walls	10006618
Spray bottle	Empty PE-spray bottle	10006621