

BacterLab Division



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## ENVIRONMENTAL SAMPLING SWABS

### SwabCollect™ Neutralizing Buffer, 5 mL

SwabCollect™  
Neutralizing Buffer

Microbial Sampling Tool for surface sampling, using a swab and a plastic tube containing Neutralizing Buffer to neutralize the effects of residual disinfectants and protect microorganisms during transport and analysis

Code: 4108007



## 1. INTENDED USE

**SwabCollect™ Neutralizing Buffer, 5 mL** is designed for microbiological sampling from surfaces and hard-to-reach areas in food processing, healthcare, and pharmaceutical environments. The product aids in collecting samples from narrow or difficult-to-reach areas, ensuring that microorganisms are protected throughout the transport and analysis process. **Neutralizing Buffer** helps neutralize the effects of residual disinfectants on the surface, ensuring that microorganisms are not affected during transport and analysis.

## 2. PRINCIPLES

**SwabCollect™ Neutralizing Buffer, 5 mL** uses a swab combined with a plastic tube containing 5 mL of **Neutralizing Buffer** collect microorganisms from surfaces. The **Neutralizing Buffer** neutralizes residual disinfectants, such as chlorine, quaternary ammonium compounds, iodine, and phenolic compounds, protecting microorganisms from their harmful effects. However, unlike nutrient media, the Neutralizing Buffer does not provide nutrients for the growth of microorganisms. Therefore, this solution only neutralizes disinfectants without supporting the growth of microorganisms, helping maintain their viability during transport without altering the characteristics of the sample.

## 3. TYPICAL COMPOSITION

### 3.1. Tools

- Sterile swab
- Sterile plastic tube, size 16 x 100 mm

### 3.2. Medium

- Volume of medium in the plastic tube: 5 mL
- Components of the medium:

*For 1 liter of medium*

Tween 80 (Polysorbate 80)	3,0 mL
Histidine	0,1 g
Sodium thiosulfate	0,8 g
Soy lecithin	0,3 g

*pH of the ready-to-use medium at 25°C: 7,2 ± 0,2*

## 4. INSTRUCTIONS FOR USE

- Inspect the **SwabCollect™** product to ensure it is not damaged or contaminated during storage.
- Write the sample information on the pre-labeled sticker on the plastic tube containing the solution.
- Carefully open the cap of the solution tube to avoid contaminating the internal environment.

- Immerse the swab tip into the solution in the tube, ensuring the swab tip is completely moistened with the solution.
- Collect the sample by gently rubbing the swab on the area to be sampled. Be careful not to touch the swab tip with your hands.
- Insert the swab back into the tube containing the solution.
- Break off the excess swab tip to fit the tube.
- Close the plastic tube tightly to protect the sample and prevent contamination during transport.
- Transport the sample immediately to the laboratory to ensure the stability of the microorganisms, following sample storage guidelines..

## 5. QUALITY CONTROL

- **SwabCollect™ Neutralizing Buffer, 5 mL** is produced in a closed environment, adhering to strict hygiene regulations. The plastic tube and swab are sterilized using gamma irradiation, ensuring no microorganisms affect the quality of the sample.
- **BacterLab** ensures the quality of each product batch of the medium by testing with ATCC reference strains.

Reference strains	Incubation conditions	Expected results
<i>Staphylococcus aureus</i> ATCC 6538 (WDCM 00032)	35 – 37°C for 48 hours	Good growth

## 6. STORAGE AND TRANSPORT CONDITIONS

- Storage: 4 – 25°C.
- Transportation: Ambient temperature.

## 7. PACKAGING

- Packaging: 50 set/ box or customer request.

## 8. SHELF LIFE

- Expiration Date: 18 months from the manufacturing date.

## 9. BIBLIOGRAPHY

- APHA Technical Committee on Microbiological Methods for Foods. Compendium of Methods for the Microbiological Examination of Foods, APHA, Washington, D.C