BacterLab Division

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ENVIRONMETNTAL SAMPLING SWABS

SwabCollect™ Buffered Peptone Water, 1 mL

Microbial Sampling Tool for surface sampling, using a swab and a plastic tube containing BPW (Buffered Peptone Water) to recover and protect microorganisms during transport and analysis.

Code: 4108001

1. INTENDED USE

SwabCollect™ Buffered Peptone Water, 1 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. **Buffered Peptone Water** helps maintain the viability and stability of microorganisms without altering their biological characteristics.

2. PRINCIPLES

SwabCollect™ Buffered Peptone Water, 1 mL uses a swab combined with a plastic tube containing 1 mL of **Buffered Peptone Water** to collect microorganisms from surfaces. **Buffered Peptone Water** provides essential nutrients, such as peptone, that help recover microorganisms weakened by exposure to environmental factors. This solution helps protect microorganisms from the effects of residual disinfectants while maintaining their viability and stability throughout the transport and analysis process.

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: 1 mL
- Components of the medium:

For 1 liter of medium

Peptone	10,0 g
Sodium Choloride	5,0 g
Disodium phosphate, anhydrous	3,57 g
Monopotassium phosphate, anhydrous	1,5 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™ Buffered Peptone Water, 1 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
Escherichia coli ATCC 25922 (WDCM 00013)	35 – 37°C for 18 – 24 hours	Good growth
Staphylococcus aureus ATCC 25923 (WDCM 00034)		Good growth
Salmonella typhimurium ATCC 14028 (WDCM 00031)		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

- Solabia. (n.d.). *Buffered Peptone Water* [Technical data sheet]. Biokar Diagnostics. Retrieved April 14, 2025, from https://www.solabia.com/biokar-diagnostics/product/buffered-peptone-water/?documentation=4808&_wpnonce=065ae35223