PRODUCT INFORMATION

Product Type: Bottle product (90ml / 400mL)

Cat No. BP555 – Buffer NaCl Peptone PH 7 + 4%Tween 80 + 0.5% Lecithin

Intended Use:

A buffered NaCl peptone solution pH 7 with 4% Tween 80 and 0.5% lecithin is a specialized neutralizing and diluent buffer used in microbiological and pharmaceutical quality control, especially for environmental and surface sampling after disinfection procedures.

Uses

Neutralization of Disinfectants:

Tween 80 and lecithin inactivate a broad range of disinfectants (e.g., quaternary ammonium compounds, phenolics), making this buffer ideal for sampling surfaces after cleaning to accurately recover any surviving microorganisms.

Environmental and Surface Sampling:

Used for swabbing or rinsing surfaces in pharmaceutical, food, and cosmetic production environments to validate cleaning and disinfection procedures.

Sample Diluent:

Maintains microbial viability during transport and processing without promoting growth, in line with pharmacopoeial and ISO standards for microbiological testing of non-sterile products.

Composition:

Peptone (Enzymatic digest of animal origin) - 1 g/L
KH_2PO_4 – 3.6 g/L
Na_2HPO_4, $2H_2O$ – 7.2 g/L
Sodium Chloride – 4.3 g/L
Lecithin – 5 g/L
Tween 80 – 40 ml/L

Storage: 15- 25°C
pH: 6.9 - 7.1
Appearance: Clear, Colorless
Exp. Date: Printed on label and on the item.
Required materials not supplied: Laboratory equipment as required.

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Implementation Date: 27/10/25
Version Number: 02

Warning and Precautions:

Warning and Precautions - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Bottles if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Bottles may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

Waste Disposal

After interpretation all items should be destroyed by standard incineration methods.

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