PRODUCT INFORMATION

Product Type: Tubes

Cat No. TT243 - SALINE SOLUTION 1ml / 2ml / 3ml / 5ml / 9ml / 10ml

Intended Use:

Saline solution (0.85–0.9% sodium chloride in water) is a clear, colorless, isotonic solution widely used in medicine and microbiology for diluting, rinsing, and suspending cells or reagents, ensuring cell integrity and accurate results.

Principles and uses:

Saline solution is a sterile mixture of sodium chloride (salt) and water: 0.9% Saline (Normal/Physiological Saline).
Most widely used for medical and laboratory applications for preparation of microbial suspensions, serial dilutions, and as a diluent for reagents.
Maintains osmotic balance, preventing cell lysis or shrinkage during handling
Isotonicity: The 0.85–0.9% concentration matches the osmotic pressure of microbial cells, preventing damage or lysis during suspension and dilution procedures.
No Nutrients: Saline lacks nutrients, so it maintains cell viability without promoting growth or interfering with biochemical tests

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Composition:

Sodium Chloride 9 g/L

Storage: 15°-25°C
Package contents: 20 Tubes
Appearance: Clear, Colorless

Sterile Tubes

pH Range: Typically, between 5.5 and 7.5
Exp. Date: Printed on label and on the item.
Required materials not supplied: Laboratory equipment as required.

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Implementation Date: 24/11/25
Version Number: 01

Warning and Precautions:

Warning and Precautions - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Tubes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Tubes 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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