4% Paraformaldehyde (PFA) Solution in PBS

Catalog number: AR1068

Boster's 4% Paraformaldehyde (PFA) Solution in PBS is commonly used to preserve tissues for routine histology.

This package insert must be read in its entirety before using this product. For research use only. Not for use in diagnostic procedures.

BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Catalog Number: AR1068

Overview

Product Name	4% Paraformaldehyde (PFA) Solution in PBS
SKU/Catalog Number	AR1068
Form	Liquid
Physical State	The solution should be clear, colorless, with no precipitate.
Pack Size	500 mL
Application	Preserving Samples, Fixing Cells For Histology *Our Boster Guarantee covers the use of this product in the above tested applications.
Storage	Store at -20˚C.
Safety and Handling	Causes serious eye damage. Suspected of causing cancer. May cause an allergic skin reaction. Causes skin irritation. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.
Description	4% Paraformaldehyde solution in PBS is a ready to use solution used for sample preparation for fixing cells for immunohistochemistry (IHC).
Cite This Product	4% Paraformaldehyde (PFA) Solution in PBS (Boster Biological Technology, Pleasanton CA, USA, Catalog # AR1068)
Equivalent	N/A

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Properties

CAS Number	30525-89-4
MDL Number	MFCD00133991
Solubility	Soluble in water
pH	7.0 - 7.6 at 25°C

Background

Paraformaldehyde (PFA) is the polymerization product of formaldehyde with a typical degree of polymerization of 8–100 units. Paraformaldehyde is not a fixative itself; it must be depolymerized to formaldehyde in solution. In cell culture, a typical formaldehyde fixing procedure would involve using a 4% formaldehyde solution in phosphate buffered saline (PBS) on ice for 10 minutes. Fixing ensures that sample cell structures stay intact and that antigens are immobilized, while ideally still permitting unfettered access of antibodies to target antigens.

General Notes

- Adjust pH to 7.2-7.6 with NaH_2PO_4 if pH <7 after long storage.
- Deposition is normal for this product.