

Polyformaldehyde Solution (8% PFA)

Cat #: A-CSH468

Size: 500mL

Storage: 2~8°C, avoid light (6 months)

Product Description

Polyformaldehyde solution (8% PFA) is a widely used solution for fixing biological samples such as tissues, tissue sections, and cells in immunohistochemistry, immunocytochemistry, and other detection methods. It can effectively preserve the morphology and structure of tissues and cells, as well as nucleic acids.

Usage

Use according to specific experimental requirements.

Notes

1. After opening the product, if left for too long, the aldehyde groups in the solution may oxidize into acids, causing a decrease in pH and affecting the fixation effect.
2. Different cell or tissue samples require different fixation times. The fixation time should be adjusted based on the type of cells or tissues and the size of the tissue blocks.
3. Although polyformaldehyde has a mild effect, it can harden tissues. Prolonged fixation time can make the tissues brittle and prone to fragmentation during sectioning. Therefore, the fixation time should generally not exceed 24 hours.
4. Polyformaldehyde can persist in fixed cells or tissue samples for a long time. Even after washing with appropriate washing solution or water for several hours, there may still be residual polyformaldehyde. Therefore, if subsequent experimental results are affected by the aldehyde groups, efforts should be made to wash away the residual polyformaldehyde.
5. The aldehyde groups can form carboxymethyl groups through cross-linking with antigen proteins, which may partially or completely mask certain antigenic epitopes, preventing their full exposure. This can result in false-negative staining

and affect immunohistochemistry results. Therefore, when performing immunohistochemical detection on cells or tissue samples fixed with 4% polyformaldehyde, antigen retrieval may be required before immunostaining or other subsequent procedures.

6. This product is harmful to the human body. Please handle with care and take necessary precautions to avoid direct contact or inhalation.

7. This product is intended for use by professionals in scientific research only and should not be used for clinical diagnosis or treatment. It should not be used for food or drugs and should not be stored in ordinary residences.

8. For your safety and health, please wear laboratory attire and disposable gloves when handling.

Disclaimer

For your safety and health, please wear a lab coat and disposable gloves while handling.