

Polyformaldehyde Solution (1% PFA)

Cat #: A-CSH472

Size: 500mL

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

Product Description

Polyformaldehyde solution (1% PFA) is mainly composed of polyformaldehyde, phosphate, deionized water, with a pH of 7.4. This fixative is suitable for the fixation of a wide range of tissues and cells and is one of the fixatives used in immunohistochemistry and cell culture. It can effectively preserve the morphological structure and nucleic acids of tissues and cells, and is generally used in special circumstances.

Usage

1. The general fixation time for tissue is controlled between 4 to 12 hours, and for larger specimens, the fixation time should be appropriately extended.
2. The fixation time for cultured cells or cell smears is controlled between 10 to 15 minutes, except for special circumstances.

Notes

1. Polyformaldehyde solution (1% PFA) has a certain level of irritancy and corrosiveness. Once opened, the fixation effectiveness may decrease if stored for too long.
2. Avoid excessively prolonging the fixation time, as it may cause excessive cross-linking of biomolecules within the cells.
3. The fixation time varies depending on the thickness of the tissue sample.
4. Sufficient volume of fixative should be used, and the ratio of fixative to tissue block volume should be greater than 10:1.
5. Temperature has a significant impact on fixation. Increasing the temperature can accelerate the fixation process, but

the temperature should not be too high.

6. Fresh tissues should be fixed promptly. If immediate fixation is not possible, they should be stored in physiological saline and sent for examination as soon as possible.

Disclaimer

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