

Neutral Formalin Fixative (10%)

Cat #: A-CSH466

Size: 500mL

Storage: Store in dark at room temperature (12 months)

Product Description

Neutral Formalin Fixative (10%) is a specialized tissue fixative and preservative used in medical laboratories for tissue specimen examination. It is widely used in hospital operating rooms, endoscopy units, pathology departments, and other laboratories. It is a standardized and commonly used tissue fixative. This fixative is easy to use, safe, labor-saving, and beneficial for the physical and mental health of operators as well as environmental protection.

This product is an aldehyde-based fixative, which is a cross-linking tissue fixative. It mainly works by cross-linking protein molecules to achieve fixation, preserving the structure and positioning of cellular components as much as possible in their living state. The pH of this product is adjusted to neutral (7.2-7.4) using disodium hydrogen phosphate and monosodium phosphate, which maximally protects tissue antigens. It is primarily used for tissue specimen preservation, fixation, and preservation.

This product is a colorless and clear liquid with a irritating odor. It is composed of formaldehyde, disodium hydrogen phosphate, monosodium phosphate, and distilled water, and it is a ready-to-use solution. It has strong penetration, provides uniform fixation, minimizes tissue shrinkage, and achieves excellent fixation results.

Procedure

To fix biological tissue specimens, immerse them directly in the fixative solution. The amount of fixative used should be 5-10 times the volume of the specimen. For small specimens, fix them for 1-2 hours, while for larger specimens, fix them for more than 20 hours.

Notes

1. Neutral Formalin Fixative (10%) has a certain level of irritancy and corrosiveness. Please handle with care in a well-ventilated environment to avoid inhalation.
2. Temperature has a significant impact on fixation. Increasing the temperature can accelerate the fixation process, but the temperature should not be excessively high.
3. After obtaining fresh tissue, it should be promptly fixed. If immediate fixation is not possible, the tissue should be preserved in physiological saline and sent for examination as soon as possible.
4. For your safety and health, please wear a lab coat and disposable gloves when handling the fixative.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.