

Methanol-Acetic Acid Fixative (3:1)

Cat #: A-CSH469

Size: 500mL

Storage: Room temperature, avoid light (12 months)

Product Description

The purpose of fixation is to prevent bacterial corrosion and tissue autolysis, preserve the inherent substances of cells, and coagulate or precipitate intracellular or tissue fluids, glycogen, etc., so that cells or tissues can maintain their basic composition similar to when they were alive and make the tissue hard for easier sectioning. Fixatives can be classified into aldehyde fixatives, mercury fixatives, alcohol fixatives, oxidizing agent fixatives, and picric acid salt fixatives. The most commonly used are formaldehyde in aldehyde fixatives and ethanol in alcohol fixatives.

Methanol-acetic acid fixative (3:1) is mainly composed of methanol and acetic acid and is used to fix various tissues. It is only used in the field of scientific research and not for clinical diagnosis or treatment.

Usage

Use according to specific experimental requirements.

Notes

1. Methanol-acetic acid fixative (3:1) can cause certain harm to the human body. Please handle with care in a well-ventilated environment and avoid inhalation.
2. The fixation time varies depending on the thickness of the tissue sample. Proper selection of tissue is beneficial for the penetration of the fixative. The suitable thickness for routine biopsy tissue is 2-4mm, generally not exceeding 6mm.
3. The volume of the fixative should be sufficient. The ratio of fixative to tissue block volume should generally be greater than 10:1. If the volume is not large enough, the fixative can be changed 1-3 times during the fixation period.
4. Temperature has a significant impact on fixation. Increasing the temperature can accelerate the fixation process, but the temperature should not be too high.

5. After removing fresh tissue, it should be fixed promptly. If it cannot be fixed immediately, it should be stored in physiological saline and sent for examination in a timely manner.

Disclaimer

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