



VitroView™ 10% Neutral Buffered Formalin Fixative Solution

SKU#: VB-9005

Description

VitroView™ 10% Neutral Buffered Formalin Fixative Solution is ready-to-use fixative solution provided to meet a variety of research needs in histology and pathology, critical for preserving biological tissues for examination. The significance of formalin as a fixation agent lies in its ability to penetrate tissues rapidly and create cross-links between proteins and its chemical properties make it ideal for preserving the morphology and antigenicity of tissues, hence its widespread use in laboratories.

Package size

1000ml/bottle

Storage

Store at room temperature.

Protocols

- 1. Tissue Preparation:** Freshly harvested tissue should be cut into smaller pieces (maximum 4-5mm) to ensure adequate penetration of the fixative. This helps in achieving uniform fixation.
- 1. Fixation:** Submerge the tissue completely in the Neutral Buffered Formalin Fixative Solution. Use enough amount of fixation solution to ensure that the tissue is fully immersed.
- 2. Fixation Time:** The fixation time should not exceed 24-48 hours, depending on the size and type of tissue. Prolonged fixation can lead to over-fixation, which may hinder subsequent processing and staining.
- 3. Post-Fixation:** After fixation, transfer the tissue to PBS or 70% ethanol for further processing. This step is crucial for preparing the tissue for embedding and sectioning.

Important Notes

- This product is intended for research use only. Not for use in diagnostic or therapeutic procedures in humans or animals.
- Handle reagents with care. Avoid contact with eyes, skin, and clothing.
- Do not ingest.
- Always wear appropriate protective equipment, such as gloves and safety goggles.
- Perform the experiment in chemical hood.

Disclaimer:

This user manual serves as a general guideline. Users should adapt procedures based on specific experimental requirements and equipment specifications.