



VitroView™ Zinc Formalin Fixative Solution (Ready-to-Use, 1L)

SKU#: VB-9006

Description

VitroView™ Zinc Formalin Fixative Solution is a non-precipitating fixative compatible with histochemical, immunochemical, and special stains. The zinc sulfate component of the formulation increases the rigidity of cellular components to withstand subsequent processing, sectioning, and staining procedures and offers several advantages over traditional formaldehyde fixation methods.

Key Advantages

Zinc formalin provides better IHC and molecular performance than buffered formalin while maintaining equivalent histologic detail.

Package size

1000ml/bottle

Storage

Store at room temperature.

Protocols

- 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.
- Fixation:** Submerge the tissue completely in the Zinc Formalin Fixative Solution. Use enough amount of fixation solution to ensure that the tissue is fully immersed.
- 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.
- 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.