



VitroView™ OCT Compound

SKU#: VB-8001

Introduction:

VitroView™ OCT Compound is a specialized embedding medium designed for frozen tissue specimens, ensuring optimal conditions for cryotomy. This user manual provides guidelines for using VitroView™ OCT Compound effectively to achieve consistent and high-quality tissue sections in a cryostat.

Advantages:

1. **Optimal Cutting Temperature (O.C.T.):** VitroView™ OCT Compound maintains an ideal cutting temperature, facilitating precise sectioning of frozen tissue specimens.
2. **High Viscosity:** The compound's high viscosity provides stability and support to the tissue specimen during cutting, minimizing distortion and facilitating uniform section thickness.
3. **Convenient Specimen Matrix:** It offers a convenient matrix for embedding tissue specimens, allowing for easy handling and positioning within the cryostat.
4. **Background Residue-Free:** VitroView™ OCT Compound ensures clean and clear slides post-sectioning, with no residual background left behind during subsequent staining procedures.
5. **Suitable Working Temperature:** Effective at temperatures of -10°C and below, maintaining consistency and stability during the cutting process.

Application:

Preparing frozen sections for histological examination, immunostaining (IHC or IF) and special stains.

Package Size:

100ml/ squeeze bottle

Storage:

Product is stable for about 12 months at room temperature.

Usage Instructions:

- **Embedding Procedure:** Place a sufficient amount of VitroView™ OCT Compound in a cryomold. Embed the tissue specimen in the compound, ensuring it is fully covered and oriented as desired. Freeze the specimen rapidly using a cryostat-cooled chuck or isopentane/dry ice mixture.
- **Sectioning:** Pre-cool the cryostat chamber to -10°C or lower. Transfer the frozen block embedded in VitroView™ OCT Compound into the cryostat. Adjust the cutting settings for optimal section thickness. Section the tissue specimen smoothly to obtain consistent sections.
- **Slide Preparation:** Place the sections onto clean, frost-free glass slides. Allow the sections to air-dry briefly at room temperature.

- Staining Procedure: Perform staining procedures suitable for frozen tissue sections, such as immunohistochemistry or histological staining techniques. VitroView™ OCT Compound ensures that slides remain free of background residue, enhancing the quality of staining results.

Precautions:

- Avoid exposure of VitroView™ OCT Compound to moisture or light, as this may affect its performance.
- Use appropriate personal protective equipment (PPE) when handling chemicals and biological specimens.
- Dispose of unused VitroView™ OCT Compound according to local regulations and guidelines.

Disclaimer:

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