

Polyvinylpyrrolidone (PVP) Mounting Medium

Introduction

PVP Mounting Medium (Polyvinylpyrrolidone Mounting Medium) is a non-toxic aqueous mounting medium that uses polyvinylpyrrolidone (PVP) as the mounting matrix. It is suitable for mounting various routine sections and smears.

The main active components of this product are PVP and glycerol. After mounting, samples can be observed directly under a microscope even without a coverslip. Upon drying, PVP forms a protective film over the sample surface. This PVP Mounting Medium is one of the easiest-to-use mounting media, being relatively resistant to bubble formation, offering good fluidity, and making the mounting process more convenient. After mounting, coverslips adhere well to glass slides.

Based on a volume of 50 μ L per sample, one bottle is sufficient for mounting 200 samples.

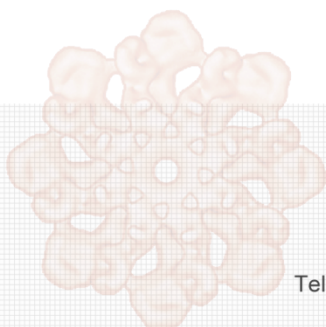
Protocol

- For adherent cell samples:
 - a. After staining is complete, aspirate the liquid.
 - b. Place one drop of Polyvinylpyrrolidone (PVP) Mounting Medium onto a glass slide, then cover with a coverslip bearing the cells, ensuring that the cells come into contact with the mounting medium and avoiding air bubbles as much as possible.
 - c. Observe the cell samples under a microscope.
- For tissue sections:
 - a. After staining is complete, aspirate the liquid.
 - b. Place one drop of Polyvinylpyrrolidone (PVP) Mounting Medium onto the tissue section, then cover with a coverslip, ensuring that the section comes into contact with the mounting medium and avoiding air bubbles as much as possible.
 - c. Observe the tissue sections under a microscope.
- For other samples:

The procedure for other samples is similar to that for adherent cell samples or tissue sections. Refer to the steps above.

■ Note

1. Primary application: Mounting various routine sections and smears.
2. Users need to provide their own coverslips and glass slides.
3. After use, be sure to tightly close the bottle cap. As the water in the PVP Mounting Medium continuously evaporates, the medium may gradually become very viscous. Although this mounting medium is inherently somewhat viscous, if excessive evaporation makes it too thick or if microbial contamination occurs, it is recommended to discard the medium.
4. After mounting with this product, the refractive index gradually increases as the water content decreases. Typically, changes in refractive index do not affect the observation of stained areas of the sample but may affect the observation of unstained areas.
5. Storage and shipping conditions: Store at room temperature; stable for one year. Ship at room temperature.
6. This product is for scientific use only. It must not be used for clinical diagnosis or treatment, nor for food or drug purposes, and should not be stored in ordinary residential areas.



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