

Hoyer'S Mounting Medium

Cat #: A-CSH511

Size: 50mL, 100mL

Storage: 2~8°C, avoid light (6 months)

Product Description

Histo-Sealing Solution, also known as Histo-Sealant, is a water-soluble mounting medium that eliminates the need for alcohol dehydration and xylene clearing, simplifying the process. It combines the hydrophilic sealing properties of gum arabic with the transparency of hydrated chloral hydrate. Specimens prepared with this solution exhibit excellent clarity, three-dimensionality, and clear and distinct fine features, making them suitable for microscopic photography.

Usage

1. Place a drop of Histo-Sealing Solution in the center of a glass slide.
2. Using dissecting needles or other suitable tools under a dissecting microscope, pick up the specimen and place it in the bottom layer of the sealing solution.
3. Hold the cover slip with forceps and lightly touch the center of the cover slip to pick up a small amount of sealing solution. Press it down evenly so that the sealing solution spreads uniformly towards the edges while keeping the specimen in place.
4. Dry the slide in an oven at 45~50°C for 1 week for subsequent microscopic examination (at 100x magnification).
Some specimen structures may need to be observed immediately after sealing to prevent them from becoming transparent or being covered by other parts over time.
5. For long-term preservation of the slides, continue drying them in the oven for another week, then let them sit at room temperature for a week. Finally, seal the edges of the cover slip with nail polish or neutral adhesive to prevent moisture from entering. Alternatively, store the slides in a desiccator for long-term preservation

Notes

1. Use an appropriate amount of sealing solution. The drop should not be too large; a smaller drop is preferable. The sealing solution should just fill the cover slip, aiming to create slides as thin as possible.
2. Use the tip of a dissecting needle to gently press the cover slip, allowing thicker parts of the specimen to slowly overflow. The resulting slide should be as thin as possible, and the overflowed parts will become transparent under the action of the sealing agent.
3. Generally, the prepared slides can be examined using a bright-field microscope (i.e., a regular microscope). If available, a phase-contrast microscope is recommended for better examination of colorless and transparent specimens.
4. This product has a certain level of odor. If possible, perform the procedure in a well-ventilated area. For your safety and health, please wear a lab coat and disposable gloves while performing the procedure.

Disclaimer

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