

## S-Mounting Medium – Technical Memo

**PRODUCT:**  
S-Mounting Medium

**16 oz Bottle**  
Part 6750

**12 Bottle/Case**  
Part 6750

*For storage requirements and expiration date refer to individual bottle labels.*

### APPLICATION:

Newcomer Supply S-Mounting Medium is a ready-to-use permanent coverslipping medium designed for use with Slide Brite™ Xylene Substitute, other aliphatic hydrocarbon xylene substitutes, and is also compatible with xylene. Features of S-Mounting Medium include:

- Quickly dries to a clear solid plastic.
- Does not bleach or bleed stains.
- Does not yellow or become brittle and crack over time.
- Quality of the stained coverslipped sections remain unchanged indefinitely.
- Provides excellent optical quality.

### METHOD:

**Technique:** Paraffin or frozen sections

### PROCEDURE:

1. Test S-Mounting Medium compatibility with clearing agent prior to use.
  - a. See Procedure Note #1.
2. Complete staining procedure; dehydrate, clear with Slide Brite™, xylene or other compatible clearing agent and blot excess clearing agent from slide edges.
3. Apply one to two drops or sufficient amount of S-Mounting Medium to flow over and fully cover the tissue section(s).
4. Install coverglass, one edge first, allowing any air bubbles to escape as the opposite edge is lowered on to the slide.
5. Blot excess S-Mounting Medium from sides and bottom of slide.
6. Dry slide in a horizontal position.
7. Setting time at room temperature is approximately 3-5 minutes and is dependent on temperature and the amount of solvent on the slide.
8. Dry slides a minimum of 24 hours before filing or placing in mailers for shipping.
9. To remove or replace a coverslip; completely immerse slide(s) in Coplin jar filled with an adequate volume of compatible clearing agent. (Note: Slide Brite™ will not remove adhered coverslips as well as xylene).
  - a. After coverslip detaches, agitate slide in the same clearing solution for 1-2 minutes to remove any excess mounting medium.
  - b. Clear slide in a fresh solution of Slide Brite™, xylene or other compatible clearing agent.
  - c. Remount with S-Mounting Medium and new coverslip.

### PROCEDURE NOTES:

1. On a plain glass slide mix several drops of S-Mounting Medium with equal amount of clearing agent. If mounting medium displays any separation or is not readily miscible when exposed to the clearing agent it is not compatible.
2. Keep S-Mounting Medium tightly capped when not in use to avoid evaporation and maintain solution viscosity.
3. S-Mounting Medium is toluene based and considered a flammable solvent. Refer to SDS for storage and handling information.

### REFERENCES:

1. Carson, Freida L., and Christa Hladik. *Histotechnology: A Self-Instructional Text*. 3rd ed. Chicago, Ill.: American Society of Clinical Pathologists, 2009. 128-131.
2. Ravikumar, Shamala, R. Surekha, and Rooban Thavarajah. "Mounting Media: An Overview." *Journal of Dr. NTR University of Health Sciences* 3.5 (2014): 1-8.
3. Modifications developed by Newcomer Supply Laboratory.