

Technical Data Sheets

Grid Stick Glue (For recoating Grid-Stick)

All About the Grid-Stick Glue

Grid-Stick Glue is a strong adhesive that will adhere to Synaptek Grid-Sticks within various staining applications. Note that the Grid-Stick Glue, once cured and immersed into inorganic solvents, will maintain its adhesiveness. Electron Microscopy Sciences sells this product in 5 ml containers, enough for about 150-200 coatings. This product has a shelf life of approximately 6 months to one year.

What you will need

- Pyrex petri dish (optional)
- Grid Sticks (Cat. #71175)
- Synaptek staining pipettes (Cat. #71177)
- Grid-Stick Glue (Cat. #71178)
- A small applicator (i.e. toothpick; small brush)
- Oven that heats up to 150°C

Instructions

1. Open the Grid-Stick Glue and dip just the tip of the small applicator into the adhesive.
2. Lightly apply the glue onto the notched side of the GridStick over the length of the slot as well as between each notch.
3. Let the Grid-Stick Glue to dry for approximately 20 minutes.

Note: When drying, make sure that the environment is free of dust, particles, or any other contaminants.

4. Place the GridStick in a Pyrex petri dish (if available) with the uncoated side facing down and the top edge of the GridStick resting on the glass rim.

Note: This will avoid the glue from sticking to the bottom of the petri dish.

Note: GridSticks that are coated but uncured can be placed into a Synaptek pipette. BE SURE to indicate through labeling or marking that the pipette is not to be used for staining procedures.

5. Place the pipette with Grid-Stick Glue (or the petri dish if available) into the oven set at 150°C for approximately 5 to 10 minutes.
6. Carefully remove the pipette and let it cool for at least 10 minutes prior to use

Note: If the GridStick does not adhere or loses adhesion, it is an indication of dirt built-up on its surface. As mentioned above, PLEASE make sure that the adhering area is dust-free and completely clear of contaminants.

Note: If the Grid-Stick Glue seems to be too thick or sticky for your grids, you may choose to dilute the product with Xylene. If, on the other hand, a more thick and sticky coating is

desired, this may be attained by removing the cap of the Grid-Stick Glue and leaving it off for 20 minutes so that the Xylene can evaporate, increasing the viscosity of the adhesive.

Note: To remove the Grid-Stick Glue from the GridStick, soak the GridStick in Xylene solution for 24 hours. After soaking, clean the GridStick by soaking it in Xylene or 99% Isopropanol. Be sure to wipe using lens-paper. After the process, you may begin the recoating process.