

## GridStick™ Adhesive

### Product No. 155-9

#### Description

SynapTek GridStick™ Adhesive is a specially formulated pressure-sensitive adhesive that will hold grids on SynapTek™ Sticks during staining procedures. Once cured, it will not lose its adhesive properties when immersed in most organic solvents for short periods of time. It comes in 5 ml containers and has an expected shelf life of six months to a year. One bottle will be enough for approximately 150 to 200 GridStick™ coatings. Suggested use is with an applicator (not included).

#### How to Coat a Grid Stick

You will need:

1. Grid Sticks
2. Applicator (tooth pick or small brush)
3. SynapTek™ staining pipettes
4. A Pyrex petri dish (optional)
5. An oven capable of reaching a temperature of 150°C
6. GridStick™ Adhesive

Open the GridStick™ Adhesive bottle and dip the tip of an applicator into the adhesive. Gently apply the adhesive onto the notched side of the GridStick™ over the length of the slot and between each notch. Try to be careful not to get adhesive on the underside of the GridStick™ or on the end of the GridStick™. Allow the GridStick™ Adhesive to dry in a dust-free, clean area for twenty minutes. Place the GridSticks™ in a Pyrex petri dish with the uncoated side facing down and the top edge of the Grid Stick resting on the glass rim. This is to ensure that the adhesive does not stick to the bottom of the petri dish. The coated but uncured stick can also be placed into a SynapTek™ pipette, however, mark this pipette so that it is not accidentally used for staining. Place the petri dish or pipette with GridSticks™ into a 150°C oven for five to ten minutes. Remove and allow to cool for at least ten minutes before use.

The principal reason for loss of GridStick™ adhesion is the accumulated dirt on its surface. It is, therefore, very important to keep the unused coated GridStick™ in a clean, dust-free environment, such as one of our capped pipettes. Follow staining instructions included with GridStick™ Kit.

Note: If the GridStick™ Adhesive is too thick or sticky for your grids, it may be diluted in the GridStick™ Adhesive bottle with Xylene. If you prefer thicker or stickier coats, the GridStick™ Adhesive viscosity may be increased by simply leaving the cap off for twenty minutes or more to allow the Xylene to evaporate. The GridStick™ Adhesive may be removed from a GridStick™ by soaking in Xylene solution for twenty-four hours. Clean the GridStick™ by soaking in Xylene or 99% Isopropanol and wiping with lens-paper. The GridStick™ can then be recoated using the same procedure as described above.

155-9 TN V2 01082004

Page 1 of 2

**TED PELLA, INC.**  
*Tools for Science and Industry*

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## Ordering Information

<b>Product No.</b>	<b>Description</b>
<b>155</b>	SynapTek GridStick™ Kit, includes: 5 coated GridSticks, 10 Pipettes, 2 flow-limiting plugs
<b>155-1</b>	SynapTek GridStick™ Kit, pkg/5 kits
<b>155-5</b>	Replacement GridSticks™, pkg/10
<b>155-7</b>	Replacement Pipettes, pkg/20
<b>155-9</b>	GridStick™ Adhesive, 5ml bottle

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Page 2 of 2

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