

## **Teflon coated Glass Slides** (1" x 3" with white frosted end)

### **Information & Cleaning Instructions**

**Leading Edge Associates** has developed a new technology for Teflon slides. Instead of using Teflon tape applied to one side of a 1" x 3" glass slide, Leading Edge incorporates a proprietary Teflon liquid coating to both sides of the 1" x 3" glass slide.

This coating eliminates the disadvantage of "bubbles" trapped under the Teflon tape which are easily mistaken for droplets. In addition, this coating eliminates the groves that are created during the first cleaning of a Teflon tape coated conventional slide. These groves reshape or deform the droplets, rendering them unusable.



- The 1" x 3" Teflon slide is designed to be placed on each end of the spinning Impinger arm to sample airborne droplets within the movement of a spray cloud at fixed locations.
- 1" x 3" Teflon slides are ideal for characterizing ground and aerial ULV applications.
- The Teflon slides are constructed of 1" x 3" glass material that has been submersed and cured in a proprietary Teflon coating on both sides of the slide. *This saves all those frustrating moments when you discover the slides were placed in the rotating Impinger backwards! The 1" x 3" Teflon slide can be inserted into the rotating arm in either direction.*
- The end of each slide has a white frosted area for writing notes directly on the slide and for easy handling.

**Cleaning:** Care should be taken when cleaning the Teflon coated slides. To clean:

1. Wear latex gloves or similar protective hand covering to eliminate finger prints on slides and/or exposure to chemicals/droplets on slides.
2. Rinse the slide with ethanol or isopropyl alcohol.
3. Using a micro-fiber cloth or latex glove, gently wipe any excess cleaner from each side of the slide. *Be cautions not to place heavy pressure on the slide with the gloves or micro-fiber cloth as it potentially can rub the coating off.*
4. Examine the slide through a microscope to determine if the oil or water droplets have been removed.

\*\* The coating is resistant to **ethanol and isopropyl alcohol**. It is also resistant to **light touching**. Rubbing five times lightly with a latex gloved finger does not hurt the coating.

\*\*Rubbing hard with a latex gloved finger 10 times will likely remove the coating.