

MicroSlide™ Product Specifications

<p>Materials: Acrylic body and acrylic optical window bonded with a Non-leaching solvent acrylic adhesive A CO2 permeable film is used to seal the wells once the sample is loaded 0.45 um porosity nylon membrane retains non-adherent cells in their respective well, no cross-talk. Hose barb is Polysulfone</p>	<p>Sterility: The MicroSlide is available EtO sterilized in a pouch with two inches of silicone tubing on the inlet and outlet as well as a leu—to-hose barb fitting and a 3 cc plastic syringe. May also be purchased non-sterilize</p>
<p>Contained volume, 110 uL per well. Channel volume approx. Pathlength 3.0 mm</p>	<p>Overall dimensions: 1" x 3", Well diameter 6.5 mm arranged on 18 mm centers. Hose barb connections use 1/16" OD soft silicone tubing. Also available from ALine.: silicone tubing, and adaptor to read MicroSlide wells in a standard Plate reader.</p>
<p>Solvent compatibility: Ethanol (up to 99.5%) Isopropyl alcohol (up to 91% in water) Aqueous buffers with or without detergents DO NOT FILL with Acetone or Aliphatic solvents such as Hexane. Wipe the optical window with lens tissue to avoid scratching.</p>	<p>Directions for use: Open the sterile pouch in a laminar bench and remove the MicroSlide. Fill the syringe with sterile buffer or media and fill the inlet side as shown in Figure 1 until liquid partially fills the well. Pipette 10 to 50 uL of cells into the well, and seal with the polystyrene film. Turn the device over and continue to fill the wells until liquid from the outlet is free of air bubbles. It takes approximately four fluid volumes or 1.5 mLs of media to replace the entire contents of the well. Adjust the flowrate to accommodate the expected nutrient requirements of the cells. We recommend a digital syringe pump or a peristaltic pump to continuously perfuse the wells in an incubator. Maximum flow rate approx. 5 cc/min total.</p>

Figure 1 MicroSlide with silicone tubing



outlet

inlet

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