

# SlideMaster™

(An Innovative Immunohistochemistry Humidity Chamber)

ScyTek Laboratories, Inc. proudly introduces SlideMaster™. A humidity chamber designed to eliminate the majority of individual slide handling.

SlideMaster™ humidity chamber, consisting of two individual slide holders, two clear cover lids, two contrast bars, and a waste receptacle. It has been designed so that all components are compact and easy to use. A maximum of 20 slides can be stained at a time. This unit is also modular so that additional slide holders can be added (10 slides per holder) to the unit.



*Complete unit.*



*Individual humidity chamber.*

To use, a hydrophobic barrier (PAP Pen, Catalog #LP0001) is drawn around the tissue section on each slide. Treated slides are then placed in the slide holder. 1-4 drops of reagent (50-200 $\mu$ l) are placed on the tissue sections and incubated per manufactures protocol. After incubation, the individual slide holders can be tilted (slide into angled slots in base tray) at a 45° angle. All 20 slides are rinsed off in one easy motion and the buffer (PBS-Tween 20, Catalog # PBE500 or TBS-Tween 20, Catalog # TBE500) drains into the waste receptacle.



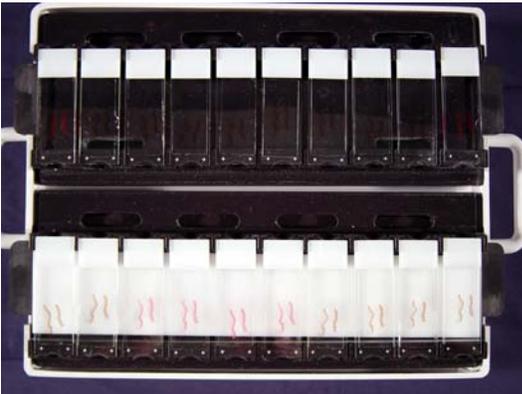
*Slotted water reservoir (Upper slots) and drain holes (lower slots)*



*Rinse in one easy motion.*

Slides are gently blotted (tissue paper) at the bottom portion of the hydrophobic barrier, which draws off any remaining liquid on the tissue. The slide holders are then placed back in the horizontal position and incubation and rinse steps are repeated in the same fashion with sequential reagents.

For chromogen development, the SlideMaster™ unit has a contrast bar that changes the background from black to white. The black background produces high contrast so that the tissue mounted glass slides can be easily seen, and the white background produces high contrast and allows the technician to monitor chromogen development.



*Removable contrast bar allows easy monitoring of chromogen development.*

After chromogen development, slides are then rinsed, counterstained and are then ready for coverslipping.

SlideMaster™ is very easy to use. It is light weight and durable. It can be microwaved (Humidity Chambers only) for short periods of time (5-10 seconds on high power). SlideMaster™ saves 30-45 minutes of tedious technician time per 20 slides.

By making the hydrophobic barrier around the tissue section as small as possible, the total volume of antibody reagent can be significantly reduced per slide. Instead of using 100-200 $\mu$ l of antibodies per tissue section usually 50 $\mu$ l will completely cover small tissues and 100 $\mu$ l will cover larger tissues. With this method, slide staining is more efficient, more consistent, drying-out of slides is minimized, and the cost of reagents is reduced.

**Important Note: Do Not use organic solvents with the SlideMaster (Xylene, Methanol, etc.). Organic solvents will dissolve the plastic material used in construction.**