

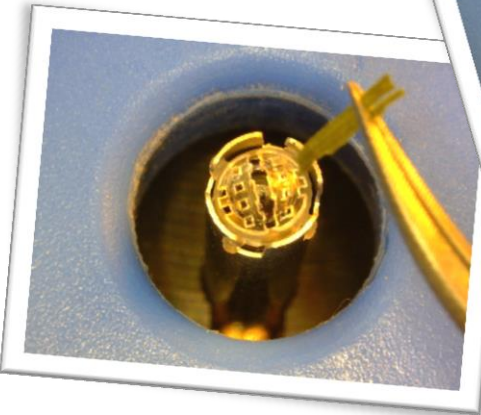
High throughput orientation

mPrep/s™ Workstation

orient specimens quickly and precisely in mPrep/s capsules — without embedding molds or further handling



Specimen orientation is easy, fast and precise

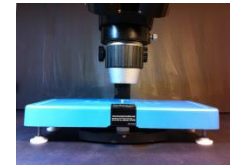


Ready for embedding right in the mPrep/s capsule

MICROSCOPY™
INNOVATIONS LLC

mPrep/s Workstation™

The mPrep/s Workstation™ is designed for efficient workflow for mounting biological and material specimens. It has areas for holding mPrep/s capsules and their removable screens, a large flat working surface for specimen preparation prior to mounting and shallow wells to keep specimens moist while dissecting. Two rows of wells on the sides store specimen-loaded mPrep/s capsules — immersed if desired — for attachment to multichannel pipettors. Adjustable feet accommodate dissecting scopes or viewers.



The removable screens are easy to load onto the insertion tool in the center of the Workstation. It holds them horizontally, simplifying placement of specimens in the desired orientation for processing in mPrep/s capsules. Specimens remain oriented throughout processing and embedding in capsules. End-on mounting is achieved by opening a slit in the top screen using the Workstation actuator lever, gently clamping specimens in place vertically. This is useful for mounting fibers, nerves, muscle, plant tissues and other specimens for subsequent cross-sectioning or for vertical mounting for SEM.

Features of the mPrep/s Workstation™

- ◆ Layout enhances workflow efficiency and prevents errors.
- ◆ Dissection wells near the center for preparing specimens while keeping them moist. Sloped sides provide easy clean out and prevent specimens from being trapped in corners.
- ◆ High density polyethylene (HDPE) work surface is easy to clean. Minimizes dulling of fine dissection tools. Provides low glare/high contrast viewing of specimens. Top is replaceable if it becomes marred with cuts after long use.
- ◆ Entire Workstation made from materials for long service and durability — even in contact with saline and buffer solutions.
- ◆ Rounded front edge provides comfortable hand rest.

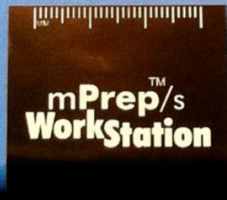
Single focal plane for dissecting scope imaging

- Wells keep specimens wet
- Spacing to mate with pipettes

Capsule and screen storage

Dissection wells

- Replaceable, polyethylene cutting surface to minimize dulling of tools
- Low reflectance blue color for contrast with plant and animal tissues



- Orient, mount and load specimens into capsules
- Drip on buffer to keep samples hydrated

Precision mechanism to open & close clamp in screen

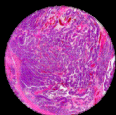
Screen ready for specimen

Specimen insertion into screen slit

Specimen held in slit in desired orientation

mPrep Capsule to be slid over screen

Specimen in mPrep Capsule for processing



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