Tool ID: 1609
Tool Location: 224

Equipment Information Sheet

Olympus IX-71 Inverted Fluorescence Microscope (2nd Floor)

Manager: Philip Schneider 607-254-4931
Backup: Garry Bordonaro 607-254-4936

Calls to staff phones will be automatically forwarded to their cell phones during accessible hours. At other times leave a message or send them an email.

SAFETY

- UV light present: Never use the brightfield filter when the mercury lamp is on and unshuttered.

USAGE RESTRICTIONS

- Only use the mercury lamp ONLY when fluorescent imaging is required.
- IF USING THE MERCURY LAMP, it must be left on for a MINIMUM of 30 minutes.
- When turning off the mercury lamp, it must be left OFF for a MINIMUM of 30 minutes before being turned on again.
- Do not use wipes, which generate particles, on microscope stages.

SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 0 minutes

- None

MATERIALS COMPATIBILITY CATEGORY

Tool Category 5: Class A and B Metals and Compounds

Allowed	Not Allowed
Tool category 1/1E, 2, 3, and 4 materials	
Silicon Based Substrates and Films	
III/V compound Semiconductors	
Glass Substrates	
PECVD and ALD Films	
Cured organics and baked Photoresist	
CNF Class A, B, and Refractory metals	
Exposed Gold, Silver, Copper	
Alkali and Alkaline Compounds	
Organic/Biology Molecules prepared-w/salt buffers	
High Vapor Pressure Materials (Mg, Ca, Zn)*	* Some tool restrictions on high vapor pressure materials may apply
Soft organic materials	

High Vapor Pressure Metals and Compounds are materials that have a vapor pressure above 1e-6 Torr at 400 C.

Additional Material Restrictions and Exceptions

- No biosafety level-2 samples allowed (human cells, non-human primate cells, toxins or microbes that cause disease in humans)

Last Updated: 03/26/2025