Tool ID: 824
Tool Location: 115

Equipment Information Sheet

Olympus BX60 Confocal Microscope

Manager:	**Alan R. Bleier**	**607-254-4931**	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.
Backup:	**Garry Bordonaro**	**607-254-4936**	

SAFETY

The UV rays of the mercury burner are cut off by the illumination optics but they are still harmful due to the high excitation light intensity. Do not stare directly into the excitation light.

USAGE RESTRICTIONS

- To prevent reducing the service life, do not turn off the mercury burner within 15 minutes after ignition.
- Once turned off, the mercury burner cannot be re-ignited until the mercury vapor is cooled and liquefied. Wait for about 10 minutes after turning it off before turning it on again.

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

- Do not use wipes, which generate particles, on microscope stages. Place samples on microscope slides.

Last Updated: 05/07/2019