

2005 - NIKON TE2000-U Inverted Microscope DO's and DON'Ts

Every lab is responsible for user training. If you misuse the scope, you will disqualify your lab's welcome.

- (1) Sign the log. Indicate use of the mercury lamp hours; this is critical to replace lamp in a timely manner. Computer logs will be used to identify scofflaws.
UPDATE: notify Dobens when bulb reads 200 hours.
- (2) Turn the computer off when done. The camera is attached by firewire, so it remains on when the computer is on. **UPDATE:** Do not touch any of the computer connections, especially the Firewire.
- (3) Turn the mercury lamp on **FIRST** before the microscope and computer. A burst of electromagnetic energy following lamp activation can potentially harm the computer and microscope electronics. **UPDATE:** this appears to not be a problem, but I have seen a power surge from the lamp reboot the computer.
- (4) Turn the mercury lamp off **LAST** and **do not turn it on again for 2 hours** following use. Refer to the log to determine when the lamp was last used.
UPDATE: You should feel no heat from the lamp housing if the log is accurate.
- (5) **BACKUP UPDATE:** Store images to storage disk on this computer. Stored images can now be left permanently on this computer, however users should regularly backup image files promptly from computer via the network. This takes time, so plan accordingly. You should be ready to live without the files you lose if the computer crashes.

Likewise, as you collect images in AnalySIS, regularly store them (every ten images or so, I recommend) because all unstored images are lost if the AnalySIS program crashes (you will experience rare bugs that stall or hang the program, so remain patient).

- (6) No oil, because no oil objectives are attached. Focus away from specimens to keep objectives from crashing into samples. **UPDATE:** clean the objectives using alcohol and lens paper, NEVER Kimwipes. Kimwipes are for the screen.
- (7) Keep the room locked **UPDATE:** outer door is sufficient to lock as a single key works on all doors. Keep the room clean.

This was the best basic scope body that Nikon made when it was purchased in 2002. It has best quality, expensive PLAN APO objectives and one of the best color/low light CCD camera available when it was purchased. This facility has been very low maintenance, so let's continue to appreciate what we have and take best care of this scope. Please contact Dr. Dobens (x6272) if you have any problems using the scope or discover any problems with it.