

Microscopy Care and Maintenance Guidelines

Protect the microscope after use against dust by always covering it with the *dust cover*.

Do never touch the lenses with bare hands. Sweat corrods the glass surface. Remove finger prints by using a soft leather or linen cloth.

Quicksilver lamp

- The lamp has to be *switched on* for at least 15 minutes before you can switch it off again. Each turn on corresponds to 1-2 hours of burning. Avoid to switch the lamp on and off too often.
- *Write down the burning time of the lamp!*
- *Change of lamp:* after 100 hours of burning you should change the lamp. Latest after 125 hours the risk of explosion gets too big!

Cleaning of varnished parts

- Use a leather or linen cloth. It may be moistured with a little gasoline. (do not use alcohol! It attacks the varnish.)

Cleaning of object stage

- Light spots can be removed by rubbing them with paraffin oil or acid-free vaseline.

Cleaning of the optics

- Dust can be removed with a fine, dry *hairbrush*
- Contaminations, which are hard to remove: use a cloth moistured with *distilled water*
- For removal of obstinate contaminations on glass surfaces you might use pure *alcohol* with great care
- Do never clean the inside of objectives or oculars!