

# MICROSCOPE MAINTENANCE CHECKLIST



# PROTECT YOUR INVESTMENT

Microscopes are delicate and complex pieces of equipment. With daily use, dirt and wear can cause components not to work properly or even fail.

Mechanical assemblies and optical parts require periodic inspection, cleaning and lubrication in order to maintain optimal results and avoid costly repairs.

## PRO TIP:

To protect your investment we highly recommend your microscope be covered at all times when not in use.

## BASIC MAINTENANCE



Stains and dust can be removed from the body with a moist cloth. Use diluted soap and water. Do not use aggressive solvents.



Using microscope wipes or a microfiber cloth, gently clean glass surfaces, do not use compressed air on glass surfaces.



Mechanical stage can be cleaned with a brush and compressed air, carefully removing dirt from difficult areas.



Using optical lens cleaner, eyepieces and lenses can be cleaned with a soft cotton tip applicator in a rotating motion while applying minimal pressure.



Oil immersion objectives can be wiped down with oil-soluble solvent to remove dry oil and dirt that will cause restrictions that can potentially affect image quality.



To clean the eyepiece rubber eyecups, moisten a soft cotton tip applicator in alcohol (70% or higher), to remove built up oil from eyelashes and dust.

# PREVENTIVE MAINTENANCE

Preventive maintenance should be performed on the following components regularly based on usage. (Generally within 6-12 months)

- Coarse focus assembly
- Fine focus assembly
- Focus tension adjustment
- Revolving nosepiece assembly
- Binocular assembly
- Illuminator field lens housing
- Condenser lens
- Stage clips and disc diaphragm
- Safety rack stop
- Mechanical stage
- Light path and prisms
- Light bulb replacement

## BULB REPLACEMENT

Replacing tungsten, halogen or fluorescent bulbs is generally a simple task depending on the make and model.

1. Turn power off and disconnect power cord/ adapter from outlet.
2. Open lamp compartment and remove defective bulb.
3. To maximize the bulb's life, do not touch the glass with bare hands. Always use gloves. If the glass comes into contact with skin, moisten a tissue with alcohol and wipe down to remove the oil stain.
4. Allow bulb to dry.



Not sure how to remove lamp compartment or install new bulb?  
Please contact us for technical support or to schedule service.



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