

Microscope Objective Lens Cleaning Instructions

- LENS SHOULD BE INSPECTED FOR DUST, DIRT OR OIL PRIOR TO CLEANING
- DO NOT CLEAN OPTICAL SURFACES UNLESS DUST, DEBRIS OR OIL IS AFFECTING OPTICAL PERFORMANCE
- CLEANING SHOULD BE ATTEMPTED ONLY IF THERE IS CLOUDINESS, POOR DEFINITION OR POOR CONTRAST

CAUTIONS

- Use care not to grind microscopic dirt into the soft glass of an objective. Doing this will scratch the glass.
- Do not apply excessive amounts of solvent to the glass surface. Too much solvent will seep into the lens elements and cause weakening of the cement between elements or coatings.
- Do not use caustic agents as they will remove lens coatings.

CLEANING MATERIALS

The following materials are acceptable by most microscope and optical suppliers:

- Lint-free cotton (artificial preferred) swabs on wooden sticks
- Reagent grade acetone or reagent grade isopropyl alcohol
- Compressed air with nitrogen propellant only and/or bellows brush

LENS CLEANING INSTRUCTIONS

- Using nitrogen propelled compressed air or a bellows brush, gently remove dust or dirt particles from the lens surface
- Dip the end of a lint-free cotton swab into your solvent
- Shake the swab to remove excess solvent
- Beginning at the center of the lens and using a circular motion towards the outer edges, gently wipe the surface with the moistened end of the cotton swab
- Use nitrogen-free compressed air or a bellows brush to remove any residue
- With a jewelers loupe, inspect the lens for any area not completely cleaned
- If not clean, use new lint-free swabs and repeat cleaning procedure

**IF THE LENS IS STILL NOT CLEAN, CONTACT A QUALIFIED PROFESSIONAL SERVICE PERSON
TO INSPECT OR REPLACE THE OPTIC**

MICROSCOPE STAND & STAGE PLATE CLEANING

Unplug all electrical connections before cleaning. Cleanse the microscope stand and stage surfaces with a lint free soft cloth moistened with a diluted mild soapy solution. For stereo microscopes remove the stage plate from the microscope stand when attempting to clean. **Do not use a wet cloth to clean the stage. Do not use acetone, alcohol or other solvents as they may damage painted surfaces.** Allow the stage plate to thoroughly dry before reattaching to microscope.