Nikon Confocal Operating Procedures
TO BE FOLLOWED BY ALL USERS

General Procedures –

1) No more than **ONE** person inside the confocal microscope room at any given time
2) Keep all doors closed during use
3) Wear gloves and mask while operating the instrument and computer
4) Try and limit the amount of items being brought into confocal room with you
5) Before using the instrument, sign up using the Oral Biology Google Calendar with your desired time window, and adhere to the times you have chosen for use to prevent multiple users coming to operate the instrument at any given time.
6) When scheduling, add 30 minute "buffer" extensions to both BEFORE and AFTER your desired time slot in case you or the user before you go over they allotted amount of time as well as to provide time for you cleaning/disinfecting the instrument.
7) PLEASE DISINFECT AFTER EACH USE

Disinfecting Procedures –

Per Nikon, **ONLY USE 70% Ethanol** to disinfect the instrument.

*Pay special attention to commonly touched parts of the microscope such as focus knobs, nosepieces, and stage handles when cleaning. Also do not forget joystick controller, computer mouse and computer keyboard, as well as buttons/switches used to turn on the instrument.

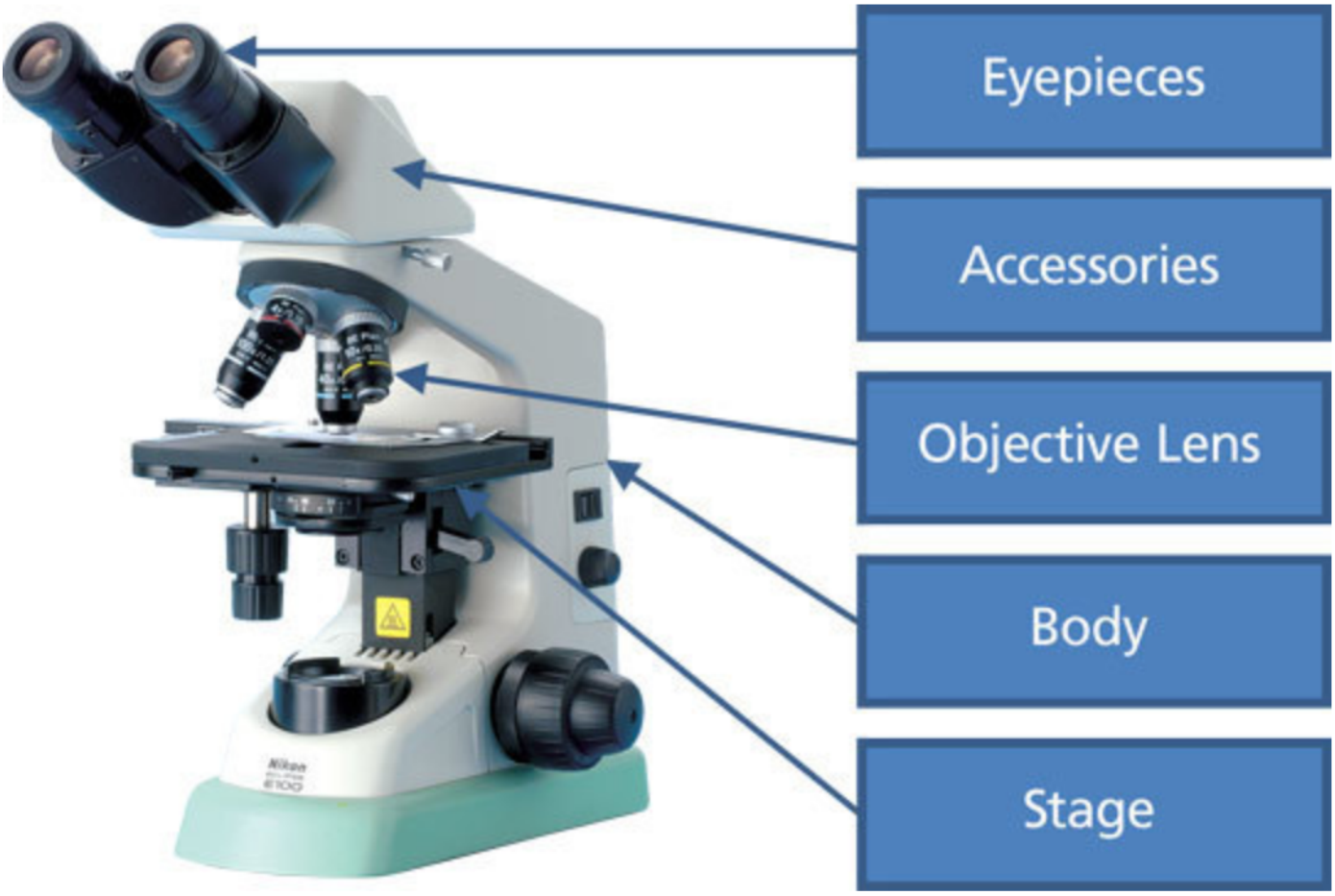
*Internal optical components and filter cubes should **ONLY** be cleaned by Nikon-authorized service technicians. **DO NOT** attempt to clean internal components.

Table 1. Compatibility of 70% EtOH with Nikon Microscope parts

Microscope Parts[*2,3]	*70% EtOH*	*Note*
Eyepieces	Compatible	Moisten lens cleaning tissue with 70% ethanol and wipe the surface of the lens and rubber gaskets (if present on eyepieces). For more detailed objective lens cleaning procedures, please download our "How to Clean Objectives" document from our website.
Objective Lens	Compatible	
Body	Compatible	Moisten low-lint lab tissue with 70% ethanol and wipe the surface.
Stage	Compatible	
Accessories	Compatible	

The following WHO guided SARS-COV-2 disinfectants are **NOT COMPATIBLE** with the microscope so **DO NOT USE** on the instrument:

Sodium hypochlorite (bleach; for example, 1000 parts per million [ppm] (0.1%) for general surface disinfection and 10000 ppm (1%) for disinfection of blood spills);
0.5% hydrogen peroxide; quaternary ammonium compounds; and phenolic compounds; 0.05–0.2% benzalkonium chloride; 0.02% chlorhexidine digluconate.

Nikon Confocal Parts Description

Parts Description