

Leica Confocal Microscope (SOP)

SAFETY

Prior doing Confocal Imaging Keep the Temperature of room at 22⁰ C.

While during imaging do not disturb both the Microscope & PC Laser table.

POWERON

TURN ON HARDWARE

Turn on the power switches with green (wait for 2 minutes till camera light stops blinking), red and yellow flagged in sequence.

First switch on *PC Microscope button*

Log On the Computer TS- USER (Password is rcb)

Second switch on *Scanner Power button* (Wait for 5 Min.)

Third switch on *Laser Power button* (Wait for 5 Min.)

Turn the Laser Emission key towards On-1 (Wait for 5 Min.)

START SOFTWARE

Activate the Leica *LAS X Confocal* software with the icon on the desktop

Click **OK** in the pop up that will appear in screen and lower down the objective.

Select the desired laser (Argon power 2%) from configuration command, observe under quick LUT.

Start Taking Images

SHUTDOWN

Turn off lasers in software and then exit software.

Check booking for SP8.

If nobody is coming within 2 hrs then follow shut down process or leave the system on.

1. Save data to your space on the Computer.
2. Remove sample.
3. Clean oil by wiping around metal objective casing by only Whatman lens cleaning paper.
4. Turn off Shutter lamp.
5. Turn the key off then Switch off buttons 1 (Laser power) and 2 (Scanner power).
6. Shutdown the PC and turn the PC microscope button off.
7. Cover microscope.
8. Finally turn of the power switches from raceway yellow, red and green flagged order.