

## **SOP Nikon Fluorescent Microscope**

### **Initializing the Machine**

#### ***Switching On the Device***

Turn on the Power Switch

Power on the Lamp and Bulb buttons one by one

Wait for 5 minutes to stabilize the Lamp

Switch on the Nikon Camera button

#### ***Switching On the PC***

Power on the Microscope

Switch on the UPS and power on the PC

#### ***Switching Software***

Double click the NIS element shortcut in desktop. This will initiate the software for imaging.

### **Preparing the Microscope**

For Slides, Labtek Chambers, Petri dishes the TI SH U Holder to be placed.

For Well plates TI SH W Holder to be placed

#### **\* NOTE :-**

1. The screw to be unlocked gently as they are non-metal and soft plastic.
2. The Holder to be lifted carefully as it is located just above the Objectives.
3. Replacing holder should be gently and both hands to be used while placing the holder.

### **Turning off the instrument**

The Slides or Plates should be removed gently to avoid spill.

The acquired images must be saved in proper folders.

Close the NIS Element software.

Power off the Camera button,

Turn off the microscope.

Power off the Bulb and Lamp

**Note :-** Once the Lamp is on it should not be turned off in next 30 Minutes, and do not switch it off if the next experiment is in next 1 hour.

If Switched off then wait for next one hour to switch on next time.

Shut Down the computer and Turn off the UPS