

UV Cabinet – UV exposure System

System Capabilities:

Three lamps are present in the system.

1. Short wave lamp – 256 nm
2. Long wave lamp – 356 nm
3. Fluorescent Lamp

A view port is available on the system for checking the sample



Standard Operating Procedure

Safety Precautions:

1. Always use UV protected goggles to protect your eye.
2. Do not turn ON the lamp before loading and unloading the sample.

You can read about the harmful effects of UV radiation here: <http://www.who.int/uv/health/en/>

Equipment Usage:

Please book a slot prior to using the system. Some UV exposures might require longer duration, and hence pre-booking slots is advised.

Training Policy:

One session with the SO. The session would mainly focus on enlightening the user on the UV hazard.

Operating the System:

1. Make sure the system is connected to main power. If not, connect it to main power.
2. Turn on the system.
3. Open the shutter and load the sample to be exposed.
4. Close the shutter.
5. Turn ON the respective lamp needed for UV exposure.
6. Once the experiment is completed, turn OFF the lamp
7. Open the shutter and remove the sample.
8. Close the shutter, and switch off main supply.