

Safety Information.

Mercury arc lamps: The mercury arc lamp is a bright light source used with fluorescence microscopy. It is a strong source of Ultra Violet (UV) light.

The lamp contains mercury metal which becomes a vapour at high pressure when in operation. The lamp can explode in normal use.

If this should happen leave the room and prevent anyone else entering for at least 30 minutes to allow the mercury vapour to disperse or condense. Seek further assistance contact Colin Gray (Tel: 0114 2159580) colin.gray@sheffield.ac.uk Room LU104 or Mark Ariaans (Tel: 0114 2159561) m.ariaans@sheffield.ac.uk or your local safety officer.

To reduce the risk of explosion and extend the working life of the lamp it must be cool before being turned on. If it is hot allow 30 minutes cooling before starting. Once turned on the lamp must be run for a minimum of 15 minutes. Do not turn off the lamp if it is likely to be needed within the next 1 hour (e.g. by the next user). The microscope user who turns the lamp on is responsible for handing over to the next user or ensuring the lamp has been turned off if they fail to arrive.

Do not use if the lamp counter shows >300 hours since there is an increased risk of explosion.