

HAZARD MANAGEMENT SAFE OPERATIONS 6pW0 0.005 Tw 12.96 -0 0 12.9-21.

ADELAIDE MICROSCOPES BUILDING RM 100
AHMS LEVEL 6

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The laser beams are contained and shielded in boxes which cannot be opened accidentally. An Interlock is built into the computer software before the lasers can be used; the Interlock prevents laser light entering the binoculars. When the lasers are in operation it is only possible to view the sample on the computer screen (it is not possible to view the sample through the microscope binocular).

There are low risks to the user associated with the use of the lamp. The microscope has several inbuilt safety features to stop people injuring themselves with the UV light.

The Olympus UGLGPS lamp is centered and requires no alignment, reducing the risk of overheating and explosion.

The UV light source is contained and shielded in a box which cannot be opened accidentally. To allow the UV light to the sample the operator must manually operate a button on the microscope body. The UV light can also be turned on and off via a shutter on the microscope.

An external orange filter guards the user's eyes from the stage area. The only way to be exposed to UV or laser light is to deliberately remove the guard or reach around behind the guard.

The lifetime of the Olympus SP6600 mercury lamp is 2,000 hours, which is monitored by a counter on the lamp housing. There is no risk of incorrectly aligned lamp. The lamp does not have overpressure when cooling.

Procedural controls:

Only trained users to operate the instrument. All new users are to be given practical operation training by a member of the Adelaide Microscopy staff. Users must follow guidelines in the safe operating procedures for the operation of the microscope and UV light source.

Users must not tamper with the instrument such that they can look directly into a laser beam or a reflection of a laser beam. Must not introduce any reflective objects into the laser beam path.

Handling of biological material may present hazards; the safe operating procedures for handling biological material must be followed. The handling of other laboratory items (for example, sharps, clearing agents and chemicals) must follow the standard laboratory procedures.

General Procedures: us ac (i)3.3 (c)2.42 (n)-11 danati fatoroll8 (i)3.3 (uf(ol).3 (r)-2.1 (ef)17 TD [(pr)(s)2.3 ((r)-2.1 pr)-2.1 (

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