

HAZARD MANAGEMENT SAFE OPERATING PROCEDURE (SOP)

Only to be completed where required as a control measure under a Risk Assessment

NAME OF THE TASK/ACTIVITY NWR213NWR2D 736.32 (2) (B-73) 65 to

YOU MUST NOT USE THIS MACHINE UNTIL YOU HAVE HAD APPROPRIATE TRAINING BY TRAINED ADELAIDE MICROSCOPY STAFF. Unauthorised use may result in damage to the instrument.

Operational checks/steps to complete the activity from start to finish (including transport and waste disposal where relevant)

General

The NWR213 solid state laser is a laser ablation instrument used as a sampling device for MS and ICPs.

The instrument contains a Class II YAG Solid state 213nm laser. The instrument uses argon and nitrogen gases

Only trained Adelaide Microscopy staff are to replace gas supplies in accordance with the appropriate SOP

Hazards

Potential for electric shock if user were to remove panels from the microscope.

Exposure of eyes to the Laser beam can cause blindness.

Exposure of eyes to UV light can cause eye damage.

Risk Control Measures

Engineering controls:

The user operable parts on NWR213nm solid state laser are all accessible from the front of the instrument, and include the sample chamber and the computer (mouse Tw 03she

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Under normal operating conditions with panels and safety interlocks in place, t

Procedural controls:

Only trained users to operate the instrument. All new users are to be given practical training operation by a member or Adelaide Microscopy staff. Users must also follow guidelines in the safe operating procedures for operation of the laser ablation instrument

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 relevant safe operating procedures.

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