

Procedural Controls:

All new users must have a practical demonstration of the operation of the machine from a member of Adelaide Microscopy. Users should operate the instrument in accordance with the manufacturer supplied operating instructions to avoid damage to the instrument.

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The user operable parts are all accessible from the operator's console; users of the instrument should not attempt to remove a fixture or panel from the instrument.

General Procedures:

The Tousimis 931 Critical Point Dryer is a high pressure instrument and therefore poses a risk to the operator if all gas is released from the specimen chamber before attempting to remove the lid. If an attempt is made to open it using force, this may result in the lid launching with great force and possibly causing injury. The lid may ONLY be removed when the pressure gauge reads zero.

The dryer requires the use of a G size liquid CO2 cylinder. Only Adelaide Microscopy staff are permitted to move and install these cylinders in accordance with the appropriate SOP.

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.

On completion of work steps to make safe (including clean up, any waste disposal & service/maintenance requirements)

Turn off instrument, and **NOT** to tighten nuts on lid, so that the next user knows upon starting work that the dryer is not under pressure.

Turn off CO2 cylinder.

Empty ethanol waste bottle if necessary.

Emergency and Spill Procedures, Transport or storage requirements (where relevant), First aid/Medical

In the event of an injury, please advise an Adelaide Microscopy staff member and first aid officer for treatment and the local representative to report the incident.

Prepared by

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