

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	VEVO 3100 ULTRASOUND PRECLINICAL IMAGING	DATE: 24/02/2020
LOCATION	ADELAIDE MICROSCOPY, AHMS LEVEL 6	Insert photo (Optional)
RISK		

Engineering Controls:

The user operable parts on the Vevo 3100 Ultrasound are all accessible from the front of the instrument, and include the sample loading tray, and the computer (switch, mouse and keyboard). There is no risk involved in the operation of these parts. However, misuse of these parts can result in damage to the instrument. Users of the instrument should not remove any fixture or panel from the scanner or access the rear of the instrument.

There are no operator adjustable parts on the Vevo 3100 Ultrasound and all instrument control is via a computer interface. This interface does not pose any safety problems but must be operated in accordance with the manufacturer supplied operating instructions to avoid damage to the instrument.

Procedural Controls:

Adelaide Microscopy has a designated Radiation Officer who holds a Radiation license from the EPA.

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

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

The Vevo 3100 Ultrasound is located in a PC2 facility and all users must undergo a PC2 induction prior to access.

Handling of biological material may present some safety problems and the safe operating procedure for handling animals and biological material must be followed.

The safe handling of general laboratory items is detailed in the Adelaide Microscopy laboratory general safety procedures.

Low stocks of consumable items (gloves, paper towel etc.) should be reported to a member of AM staff.

General Procedures:

Anaesthesia:

HSW Handbook	Hazard Management	Effective Date:	17 December 2019	Version 3.0
Authorised by	Chief Operating Officer (University Operations)	Review Date:	17 December 2022	Page 2 of 5
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Anaesthetize animal according to SOP Anesthesia Machine

Animal preparation

- Place a small amount of corneal lubricant to each eye with a sterile cotton tip applicator
- Place a drop of gel onto each ECG connector on the handling platform and contact animal pads with dermatological 3M tape
- Adjust display of ECG, heart rate and respiration on screen using the ECG threshold control
- Shave the area of interest (rat)
- Apply the depilatory cream onto the area of interest to remove hair from the animal (rat or mouse)
- Remove the cream after 2-3 mins
- Ensure all cream is removed with a48 0.47998 refMas3-3(e cy 0.47998 refMas3-3(e cy 0.47998 refMas3-3(e cy 0.47998 refMa

HSW Handbook	Hazard Management	Effective Date:	17 December 2019	Version 3.0
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