

## SAFETY INFORMATION

LOCATION Residual risk rating	MICROSCOPE (FIB-SEM) HELIOS NANOLAB ADELAIDE MICROSCOPY, GEORGE ROGERS LABORATORY, HELEN MAYO NORTH, NB15	Incort shate					
Residual risk rating	LABORATORY, HELEN MAYO NORTH, NB15	Insert photo					
	⊠ Low □ Medium □ High □ Very High	(Optional)					
Hazards	Contact with electricity or potential for electric shock						
This Cafata information should be provide		:4:					
This Safety information should be provided to new users for them to read before undertaking and tasks/activities on the microscope. Pre-operational checks							
YOU MUST NOT USE THIS MACHINE UNTIL YOU HAVE HAD APPROPRIATE TRAINING BY TRAINED ADELAIDE MICROSOCPY 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)					
The Helios Nanolab Dualbeam Focussed Ion Beam/Scanning Electron Microscope is a high-voltage, electron-beam instrument that is well-shielded against emission of hazardous radiation and as such poses no radiation safety problems to operators. X-ray emissions are monitored regularly and are well below the acceptable level.							
<ul> <li>The only user operable parts on the Helios Nanolab Dualbeam Focussed Ion Beam/Scanning Electron Microscope are the specimen stage and chamber, the computer system (mouse and keyboard), stage movement controls and aperture alignment controls.</li> <li>There is no risk involved in the operation of these parts. However, misuse of these parts can result in damage to the instrument.</li> </ul>							
• The microscope uses liquid nitrogen as a coolant. Under NO circumstances are users able to touch or refill the liquid nitrogen vessel. Only trained Adelaide Microscopy staff are to refill the liquid nitrogen vessel.							
<u>All new users must have a provide the set of the </u>	ractical demonstration of the operation of the machine	from a member of					
Users should operate the ins	strument in accordance with the manufacturer supplied	operating instructions					
to avoid damage to the instru-		instrument should not					
	all accessible from the operator's console; users of the e or panel from the microscope.	instrument should not					
<ul> <li>Users should not access the rear of the instrument.</li> </ul>							
<ul> <li>The safe handling of general laboratory items is detailed in the Adelaide Microscopy laboratory general safety procedures.</li> </ul>							
On completion of work – steps to make safe (including clean up, any waste disposal & service/maintenance requirements)							
Remove all samples from the instrument and the laboratory after imaging.							
Emergency and Spill Procedures, Transport or storage requirements (where relevant), First aid/Medical							
In the event of an injury, please advise a representative to report the incident.	an Adelaide Microscopy staff member and first aid officer for treat	ment and the local HSW					
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People involved in the drafting of this Safety Information	Animesh Basak Astrud Tuck Aoife McFadden						

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 1 of 2	
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## HSW Handbook

Person authorising the Safety Information	Name:	Angus Netting	Signature
	Position:	Director, Adelaide Microscopy	

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