	ADELAIDE MICROSCOPY, GEORGE ROGERS LABORATORY, HELEN MAYO NORTH, NB14				Insert photo
Residual risk rating on the RA	Low	Medium	High	Very High	(Optional)
Hazards identified on the RA	Contact with electricity or potential for electric shock Contact with cold object.				

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 Tecnai G2 Spirit TEM uses liquid nitrogen to cool the sample and prevent contamination of the instrument by hydrocarbons that are generated during operation of the microscope.
- Only trained Adelaide Microscopy staff are to refill the liquid nitrogen vessel.
- Personal protective equipment (PPE), including cryogloves, must be worn at all times when refilling liquid nitrogen or handling the liquid nitrogen vessel.
- Users must take care not to spill or touch the liquid nitrogen when using the instrument.
- 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.

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**HSW Handbook** 

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