

Risk Assessment Form

Title of Risk Assessment

Date of assessment

Department

Date review due

Description of Task/Process

Assessment carried out by

Additional information

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University of Warwick Risk Assessment Form

<u>Hazards and how they may cause harm</u>	<u>Who may be at Risk?</u>	<u>Existing Control Measures</u>	<u>Current Risk Level</u> (VL,L,M,H,VH)	Where current risk is M, H or VH, what additional <u>Control Measures</u> are required?	Action required by whom & by when?	<u>Final Risk Level</u>
<p>Oxygen Depletion, (due to magnetic quench or nitrogen leak)</p> <p>Personal injury, death from asphyxiation</p>	All users of space	<ul style="list-style-type: none"> training is given in handling compressed gas including shutting off in emergency during induction. oxygen depletion monitoring and alarm. User to check for leaks. 	VL		<ul style="list-style-type: none"> Estates, maintenance of detection system. 	VL
<p>Transmission of infectious diseases e.g., COVID-19, gastroenteritis</p>	user	<ul style="list-style-type: none"> Ensure keyboards etc are cleaned Refer to University webpages for current advice on COVID-19 All control measures are stated in the University Infectious Diseases risk assessment and must be followed 	L			L
<p>Chemical contamination</p> <p>Exposure to chemical agents due to rotor crash. environmental impact leading to contact, inhalation, or ingestion injuries</p>	All users of space	<ul style="list-style-type: none"> Sample volumes are (very) small Report rotor crashes risk assessment and department lab rules in place Hand washing facilities and soap available in G71 	L			L

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Trips, Falls Pre-amplifier other equipment and cables on floor. Personal injury,	Users	<ul style="list-style-type: none"> ▪ Users undergo induction and are reminded of hazard. 	L	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪ 	L
Manual Handling/Ergonomics Musculoskeletal injuries from inserting/removing probe from magnet. Reaching to load sample using top loading tube.	Users	<ul style="list-style-type: none"> ▪ Probes and samples not changed often ▪ Consider sitting on floor using mat. ▪ Position steps correctly, if used. ▪ Training. 	L			L
Manual Handling/Ergonomics – sitting Musculoskeletal injuries	Users	<ul style="list-style-type: none"> ▪ Sit “straight on” when working at a desk ▪ Individual to alter lab chair – seat height, (foot rest) height, lumbar support, backrest incline ▪ Take regular breaks ▪ Training 	L			L
Poor, excessive, or inadequate lighting	users	<ul style="list-style-type: none"> ▪ Overhead lighting to be at recommended Lux levels for laboratories as per Chartered Institution of 	L	Lighting to be considered prior to conducting the work to identify if further task	User – as and when required	VL

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Ill health/wellbeing, personal injury, property damage		<p>Building Services (CIBSE) guidelines</p> <ul style="list-style-type: none"> Task lighting to be introduced, as required, to reduce shadowing and improve local lighting 		lighting is required or whether the task requires relocation due to inadequate lighting		
<p>Electricity - Mains power/sockets</p> <p>Electric shock; tingling and numbness, weakness or difficulty in moving limbs, amnesia, seizures, respiratory arrest, burns, Fire, Loss of power, property damage, fire</p>	users	<ul style="list-style-type: none"> Use only approved distribution board if necessary Portable appliance testing Ensure back panel is fitted properly to console Fixed wiring installation is tested at least every 5 years by the University User must not overload circuit Pre-use visual checks carried out by user to ensure socket not damaged prior to use 	L	User to report any defective power sockets to the Estates Service desk to ensure that they are taken out of use	User – as and when required	VL
<p>Working at Height</p> <p>fall, sprains, breakages, unconsciousness.</p>	user	<ul style="list-style-type: none"> training for working at height to be provided (moodle or local management) Use handrail on steps to platform. If fitted keep platform gate closed. 	VL			VL

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		<ul style="list-style-type: none"> If using step ladder this should be “square on” work. 				
Confined Space cramping of muscles. physically hitting underside of magnet	user	<ul style="list-style-type: none"> minimal time under magnet 	VL			VL
Rotor crash Flying rotor	All users of space	<ul style="list-style-type: none"> rotor is Inside probe and in room temperature bore of magnet 	VL			VL
Electromagnetic Radiation Exposure to radio frequency microwaves	All users of space	<ul style="list-style-type: none"> radio frequency radiation, probes are within the volume of the magnet - minimal radiated energy Console is shielded training. 	L			L
Cold burns and asphyxiation From cryogenic liquids	user	<ul style="list-style-type: none"> training is mandatory PPE is used. Induction includes comments on using instruments during cryogen fills. 	VL			VL
High Stray Magnetic Field	Anu user of space	<ul style="list-style-type: none"> training and initial induction for new users, controlled access to NRF. 	L			L

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physically, ferromagnetic material attracted to magnet						
		▪				
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		▪				
		▪				

Work should not be carried out until the assessment is completed and all required control measures are in place.

Overall Final Risk Rating (Highest level in final column above)	Low
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Additional Comments from Risk Assessor (e.g. funding or practical implications)	
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Approved By	Andrew Howes
Date	23/02/2024

Position	Associate Professor
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Please print a copy, sign it and keep for your records

Document History

Version	Date	Reviewer	Comments
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V1.0	20/02/24	Andrew Howes	New assessment

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	Severity				
Likelihood	Superficial	Minor	Serious	Major	Extreme
Unlikely	Very low	Very low	Low	Low	Moderate
Possible	Very low	Low	Low	Moderate	High
Likely	Low	Low	Moderate	High	Very high
Very likely	Low	Moderate	High	Very high	Very high
Extremely likely	Moderate	High	Very high	Very high	Very high

Risk Level	
Very low	Acceptable risk - no action required
Low	Tolerable risk - further control measures not required, but status must be monitored
Moderate	Further control measures required to reduce risk as far as is reasonably practical
High	Urgent action required to allow activity to continue
Very high	Risk intolerable - activity must cease until the risk has been reduced

See '[Matrix for risk evaluation](#)' for further guidance.