

Risk Assessment Form

PERSONS AT RISK : (X) Employees () Contractors () Public () Visitors (X) Others		Reference No: BIO RA LN2	
Risk: (H) High (M) Medium (L) Low (O) No Risk.		Environment: Biorepository	
TASK or ACTIVITY: Use of Liquid Nitrogen (LN2)		INITIAL RISK	FINAL RISK
SIGNIFICANT HAZARD	POTENTIAL CONSEQUENCES OF HAZARD	RATING	EXISTING CONTROL/PROPOSED CONTROL MEASURES
Liquid nitrogen	Cold burns and Frostbite	H	COSHH Assessment and Safety procedure in place for the safe handling of liquid nitrogen
	Asphyxiation due to rapid conversion of liquid to gas in a confined space - lift	H	Proficiency in moving heavy loads.
	Injury due to the lifting and movement of heavy storage vessels	M	Storage vessels moved using approved tipping trolley
			Oxygen depletion monitors and alarms installed where the vessels are to be kept in the laboratory. Sensors calibrated and serviced at regular intervals.
			Protective clothing worn
			Procedure to be carried out by trained personnel only.
			Do not travel in a lift with the vessel
Comments:			Overall Risk: L
Protective clothing includes, laboratory coats, gloves that are designed for working with cryogenics and clear plastic goggles with side protection.			
When decanting liquid nitrogen it should be done slowly to avoid splashing			
Staff should have completed the Safe use of Cryogenics Course			
Additional References, Tasks etc			
Attended Safety Services "Manual Handling Training" Course is recommended			
Safety Services Guidelines in "The Use of Cryogenic Fluids"			
Undertaken By: Steven Haynes			
Other Persons Consulted Kevin Corke			
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