






LSRA 8 – eBIC

User Lab Standard 8: Working in eBIC Preparation lab

You may reference this lab standard instead of completing the information in the ERA. The scope of the work must match that of the standard and you are expected to follow the controls set out below.

Scope: This lab standard risk assessment covers the routine work carried out in eBIC preparation laboratories. G-27 is a Containment Level 2 laboratory hence capable of safe handling of HG2 samples. Routine work includes the clipping and mounting of prepared EM grids brought to Diamond. Activities outside of the scope of this LSRA must be fully assessed in the experimental risk assessment.





Hazards

Substances Various hazards – exposure by inhalation, skin and eye contact and ingestion.			
	Toxic effects	Irritant or Harmful	Biohazard
Cryogenics Oxygen Depletion and Extreme cold			

Control Measures

General ventilation	Suitable storage and labelling of samples, reagents and wastes	Eliminate ignition sources	General PPE requirements – safety glasses and disposable gloves.	Remove PPE and wash hands when leaving the lab
Your Diamond contact will train you in the lab standard and on equipment – you are expected to work to this training			Oxygen monitoring alarms – for any alarm, leave the area and call the EHCs	

Personal Protective Equipment

			
Safety glasses	Disposable gloves	Lab coat	Cryogloves

Risk - Low