








# LSRA 7 - XChem

## User Lab Standard 7 : Working in XChem 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 the XChem laboratory. Activities outside of the scope of this LSRA must be fully assessed in the experimental risk assessment.




### Hazards

<b>Substances</b>	   	
<b>Cryogens</b>		
<b>Pressure systems</b>		

### Control Measures:

General ventilation	Suitable storage and labelling of samples, reagents and wastes	Eliminate ignition sources	General PPE requirements – Lab coat, safety glasses and disposable gloves when handling chemicals	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		
Carrying or dispensing liquid nitrogen require appropriate PPE - Lab coat, cryo gloves and safety glasses (also required over spectacles)		User has appropriate footwear (i.e. no open toed shoes, mesh shoes or any footwear which could trap liquid nitrogen and lead to cold burns)		

### Personal Protective Equipment:

			
<b>Lab coat</b>	<b>Safety glasses</b>	<b>Disposable gloves</b>	<b>Cryo gloves</b>

Risk - Low