

# Record of General Assessment of Significant Risks

Sheet 1 of 3

Operational Activity: Risk assessment for micro propagation - cloning of cauliflower				Date of Assessment: 29/09/2025 On this date the performance assessment for this activity, based on the further action required was:		
Site: RBG Kew <b>Wakehurst</b>		Department: Programmes and Learning	Unit: Learning Programme	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; background-color: black; color: white; padding: 2px;">Black</div> <div style="border: 1px solid black; background-color: red; color: white; padding: 2px;">Red</div> <div style="border: 1px solid black; background-color: yellow; color: black; padding: 2px;">Amber</div> <div style="border: 1px solid black; background-color: green; color: white; padding: 2px;">Green <b>X</b></div> </div>		
Assessor/s: Hayley Young Lead Teacher		Signed off by: Julie Whelan Learning Manager				
Item	Sub-activity	Risk rank (H,M,L)	People especially at risk* Students and their carers	Further action required	Person responsible	Action taken
	Hazard		Existing controls			
1a	<b>Exposure to chemicals</b> Chemical irritant - 70% ethanol or IMS spray used as a sterilant may cause eye and skin irritation.	L	Lab coats, safety goggles and latex gloves worn.	None	Wakehurst Teacher	
1b	Milton sterilant – dichloroisocyanurate is a bleaching agent and can damage clothing.	L	Alert students to risk and wear lab coats.	None	Wakehurst Teacher	
2	Gloves need to be worn for this practical therefore risk of latex allergy. Latex gloves which may cause allergic reaction.	L	Offer non latex gloves.	None	Wakehurst Teacher	
3	Exposure to sharp object - scalpels used.	M	Handed out when required and students alerted to risk.	None	Wakehurst Teacher	

\*such as employees, public, contractors, young persons, pregnant women.

Date: Next review October 2026

Black: Little or no provision for risk control.  
 Amber: A reasonable standard of control but some remaining issues require action.

Red: Risk control incomplete or implementation unsatisfactory.  
 Green: Risks minimised and a good standard of control achieved.

**RISK RANKING MATRIX**

Purpose: allocating action priorities for significant risks

Foreseeable consequences		Chance of exposure occurring					
Ill Health	Injury	Frequent	Probable	Occasional	Remote	Improbable	Incredible
Multiple fatalities	Multiple fatalities	H	H	H	M	L	
Single fatality	Single fatality	H	H	M	L		
Chronic or acute ill health	Major injury or permanent disability	H	M	L	No action required risk is insignificant or "tolerable"		
Minor health effects	Minor injury	M	L				
No known health effect	No injury						

Category definitions: \* chance of exposure

\*Chance = probability

Category	Definition
Frequent	The exposure occurs frequently during the normal course of the activity or process.
Probable	The exposure will occur several times during the activity or process.
Occasional	The exposure will occur occasionally during the activity or process.
Remote	There is a remote chance that the exposure will occur during the activity or process.
Improbable	The exposure is unlikely to occur. It will only occur exceptionally during the activity or process.
Incredible	The exposure is extremely unlikely to occur. It can be assumed that it may not occur.

Action Priorities for Significant Risks

- H = High
- M = Medium
- L = Low