

Science Practical Risk Assessment

School of Maths & Science	Practical Activity Title Mitosis (MAS_SP_0009_mitosis_toluidine)	Risk Assessment No. MAS_RA_0009_mitosis_toluidine	
Location	Biology Lab. NB124		
Assessment Performed By	Phil Jones	Signature:	Date: 27 Sept 2007
Supported By	Gareth John	Signature:	Date: 27 Sept 2007
Approved By	Brian Harris (H.o.S.)	Signature:	Date: 27 Sept 2007
Date of Re-assessment (if necessary)	Re-assess if any changes to procedure or equipment / chemicals are made.		

HAZARDS TO BE CONSIDERED	WHO MIGHT BE HARMED?	IS THE RISK ADEQUATELY CONTROLLED?	WHAT FURTHER ACTION IS NECESSARY TO CONTROL THE RISK?
1. Slipping / Tripping	Staff		
2. Fire	Students		
3. Chemicals / drugs			
4. Moving parts of machinery			
5. Pressure systems		<i>Please complete overleaf</i>	<i>Please complete overleaf</i>
6. Electricity			
7. Dust			
8. Fumes			
9. Manual Handling			
10. Noise			
11. Lighting			
12. Computers			
13. Any other hazards			

(Please refer to Risk Assessment Matrix to indicate how Severity and Likelihood combine to produce a Risk score)
Likelihood x Severity = Risk Score, = Low, Medium or High risk

Type & Source Of Hazard	Nature Of The Risk	Type Of Activity In Which Risks May Arise	Control Measures	Risk Rating			L M H	Any Further Control Measures Required
				L	S	R		
Bags & coats	Trip Hazard	Any activity which involves movement around the laboratory	Place all bags & coats etc in lockers provided	1	1	1	L	
Needles, forceps and Scalpels	Cuts	Risk of injury when picking up & using needles, forceps and scalpels	Ensure good technique is used to avoid holding / touching sharp points and blades.	2	1	2	L	
Glass cover slips & slides	Cuts	Handling & preparing slides	Ensure good technique is used, Take care when handling slides / cover slips to avoid any possible sharp edges.	2	1	2	L	
Hydrochloric acid	Splash to eyes / skin irritation	Adding HCl to watch glass for root tips	The wearing of safety goggles is mandatory during practical activities in the laboratory. 2mol / dm ³ HCl is used which is an irritant not corrosive, any splashes to skin should be washed off immediately.	1	2	2	L	
Toluidine blue stain	Splash to eyes / skin irritation	Staining of hyacinth / onion root cells	The wearing of safety goggles is mandatory during practical activities in the laboratory, any splashes to skin should be washed off immediately.	1	2	2	L	

Type & Source Of Hazard	Nature Of The Risk	Type Of Activity In Which Risks May Arise	Control Measures	Risk Rating			L M H	Any Further Control Measures Required
				L	S	R		
Sun	Eye injury	Using the sun as a light source.	Do not use the sun as a light source, use only the lamps provided.	1	3	3	L	
Lamps	Electrical	General use of lamps.	Use only proprietary lamps designed for Labs and school / college use. Lamps are regularly P.A.T. tested for electrical safety.	1	1	1	L	

INDICATE WHAT FIRST AID ARRANGEMENTS ARE IN PLACE

A science technician (qualified first aid at work) shall be present during all science practical lessons.
First aid kit available in all science prep rooms (Physics NB232, Chemistry NB237B & Biology NB124A).

Assessment performed by : (Please Print Name)	Phil Jones	Position :	Biology / Human Biology Lecturer
Date of Assessment :	27-Sept-2007		
Signed :			

ACTION LIST RECOMMENDATIONS	Risk Rating			L M H	TO BE ACTIONED BY	DATE ACTION COMPLETED	SIGNATURE
	L	S	R				