

Science Practical Risk Assessment

School of Maths & Science	Practical Activity Title Effect of pH on Trypsin activity <small>(MAS_SP_0007_trypsin_activity)</small>	Risk Assessment No. MAS_RA_0007_trypsin_activity_afan	
Location	Biology Lab. AA024		
Assessment Performed By	Kathryn Williams	Signature:	Date: 18 January 2008
Supported By	Wendy Rees	Signature:	Date: 18 January 2008
Approved By	Brian Harris (H.o.S.)	Signature:	Date: 18 January 2008
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 designated area in room	1	1	1	L	
Liquid Enzymes and buffers	Eye injuries	Possible splashes to the eyes when pipetting / transferring liquids and when swirling / mixing liquids	The wearing of safety goggles is mandatory during practical activities in the laboratory	1	2	2	L	
Enzymes	Allergenic reactions	Trypsin enzyme used during digestion of gelatin	Only small quantities of dilute enzyme solutions are used, spills of enzymes should be rinsed with water and wiped up promptly	1	1	1	L	
Glass pipettes	Cuts	Attaching pipette fillers to pipette	Good technique is important, ensure the pipette is held as close to the top as possible when attaching pipette filler	2	2	4	L	
Water Baths	Electrical hazard	General use of water baths	Use only proprietary water baths designed for laboratory and school / college use. Baths are regularly PAT 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 AA022, Chemistry AA018 & Biology AA024).

Assessment performed by : (Please Print Name)	Kathryn Williams	Position :	Biology / Human Biology Lecturer
Date of Assessment :	18 January 2008		
Signed :			

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