

OHS RISK ASSESSMENT AND CONTROL FORMRisk Assessment Completed by:
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RMSS Number:

Initial Issue Date:
26th August 2010Current Version:
1Current Version Date:
26th August 2010Next Review Date:
26th August 2013**Risk Assessment Title:** FPLC**Step 1: Identify the activity**

Describe the activity:

Fast Protein Liquid Chromatography - using the equipment

Describe the location:

Various locations within the MLS building.

Step 2: Identify who may be at risk by the activity

Staff and students using the equipment

Step 3: Identify the hazards, risks, and rate the risks

- Using the following table, identify the risks and hazards associated with the particular plant, chemical or process.
- List existing controls and determine a risk rating using MBS Risk Rating Procedure.
- Additional risk controls may be required to achieve an acceptable level of risk. Re-rate the risk if additional controls are required.

C: Consequence L: Likelihood R: Rating L - VH

Hazards	Associated Risks	Risk Rating with current controls:			Controls	Risk Rating with Additional Controls:		
		C	L	R		C	L	R
Electricity	Liquids are used with the equipment, there is the potential for electric shock.	M (Major)	R (Rare)	Me (Medium)	Safe Operating Procedures are kept near to the machine and are followed at all times. The design of the equipment keeps the liquids separate from the power. Ensure equipment is electrically tested and test tag is up to date. Equipment is maintained as per the manufacturer's recommendations. Informal training to be completed by an experienced operator prior to using FPLC.			
Needles/sharps	Liquids are injected using a fine tip needle so there is the potential for eye injuries and needlestick injuries.	Mo (Moderate)	R (Rare)	L (Low)	Safe Operating Procedures are kept near to the machine and are followed at all times. Glasses/gloves and lab coat must be worn. Needle is kept to a blunt tip and stored appropriately. Informal training to be completed by an experienced operator prior to using FPLC. Tubes to be inspected regularly and checked for deterioration.			
Chemical	Exposure to chemicals/substances may cause injury.	Mo (Moderate)	U (Unlikely)	Me (Medium)	PPE must be worn - gloves/glasses/lab coat. Safe Operating Procedures are kept near the machine and are followed at all times. Machinery is kept clean. Informal training is to be completed by an experienced operator prior to using FPLC. Waste bottles to be disposed of regularly. Tubes to be inspected regularly and checked for deterioration.			

Mechanical	Some robotics are used, potential for crush injury?				Robotics have sensors to shut down any movement. Pumps enclosed where possible. Safe Operating Procedures are kept near the machine and are followed at all times. Informal training is to be completed by an experienced operator prior to using FPLC.			

Step 4: Documentation and initial approval:

Completed by: Kate Dixon	Signed: Kate Dixon	Subject Matter Expert: Grant Booker/Anne Chapman Smith	Date: 26th August 2010
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Step 5: Implement the controls/any additional controls identified

Indicate briefly any additional controls that have been implemented, when and by whom.		
Risk Control:	Date:	Implemented by:
Risk Control:	Date:	Implemented by:
Risk Control:	Date:	Implemented by:

Step 6: Monitor and review the risk controls

It is important to monitor risk controls and review risk assessments regularly. Review is required when there is a change in the process, relevant legal changes, and where a cause for concern has arisen. If the risk assessment has substantially changed, a new risk assessment is warranted.		
Review Date:	Reviewed by:	Authorised by:
Review Date:	Reviewed by:	Authorised by:
Review Date:	Reviewed by:	Authorised by:

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Review Date:	Reviewed by:	Authorised by:

Step 7: Add to Hazard Register

If the identified risk is medium or above after controls have been implemented, the Activity should be signed of by the Head of School and then transferred to the Hazard Register.

Date entered onto Hazard Register:	Head of School Signature:
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