

OHS RISK ASSESSMENT AND CONTROL FORMRisk Assessment Completed by:
Kate Dixon - HSOFaculty: **Science**School: **Molecular & Biomedical Science**

RMSS Number:

Initial Issue Date:
5th May 2010Current Version:
1Current Version Date:
5th May 2010Next Review Date:
5th May 2014**Risk Assessment Title:** Treating mammalian cells**Step 1: Identify the activity**

Describe the activity:

Treating mammalian cells in culture with aryl hydrocarbon receptor ligands Benzopyrene, Beta-Naphthoflavone, & 2,3,7,8-Tetrachlorodibenzodioxin.

Describe the location:

Lab 3.09, 3rd floor, Molecular Life Sciences Building

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

Staff and students conducting the activity.

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
Chemical	illness/injury due to exposure to chemicals	M (Major)	U (Unlikely)	Me (Medium)	SOP for activity See individual risk assessments, key points are: - all persons must have chemical management training - Follow appropriate chemical waste disposal procedures - ensure full PPE is worn when working with substances. Conduct activity in a laminar flow cabinet.			
Manual Handling	musculoskeletal injury from repetitive pipetting.	m (Moderate)	U (Unlikely)	L (Low)	Ensure appropriate manual handling techniques. SOP for activity.			
Biological	cross contamination, illness/affects from exposure to substances when vessels are in the incubator.	m (Moderate)	R (Rare)	L (Low)	Ensure vessels are labelled clearly and appropriately.			
Chemical/Biological	Environmental Damage from waste being exposed into the natural environment.	m (Moderate)	R (Rare)	L (Low)	Follow appropriate chemical waste disposal procedures.			

Step 4: Documentation and initial approval:

Completed by: Kate Dixon	Signed: Kate Dixon	Subject Matter Expert: Anne Chapman-Smith	Date: 5th May 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:
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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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