

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

RMSS Number:

Initial Issue Date:

27th July 2009

Current Version:

1.1

Current Version Date:

5th July 2010

Next Review Date:

5th July 2012

Risk Assessment Title:

ETHIDIUM BROMIDE

Step 1: Identify the activity

Describe the activity:

Using Ethidium Bromide

Describe the location:

Used in various locations in the School.

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

Staff and students.

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

red writing indicates an amendment from last version.

Hazards	Associated Risks	Risk Rating with current controls:			Controls	Risk Rating with Additional Controls:		
		C	L	R		C	L	R
Chemical	Toxic - Mutagen, irritant to eyes, respiratory system, skin. Can be absorbed into the skin and may enter the body by inhalation, ingestion and eye contact.	U (Unlikely)	M (Moderate)	M (Medium)	<p>All users of EtBr must be trained in safe working procedures before using by a competent/experienced person.</p> <p>Where possible, use "GelRed".</p> <p>All processes involving EtBr must have an available SOP.</p> <p>Ensure access to emergency showers and eye wash areas where EtBr is used.</p> <p>EtBr to only be used in a designated fume hood.</p> <p>Use only designated DtBr equipment - gel tanks and pipettes.</p> <p>Wear safety glasses, gown and double layer of latex or nitrile gloves.</p> <p>Change gloves frequently.</p> <p>Dispose of EtBr by decontamination.</p> <p>Clean area thoroughly with ethanol after use.</p> <p>Keep EtBr locked away when not in use.</p>			
Long Term Chemical	At concentrations generally used, is assessed on Chemwatch as non-hazardous. Continuous use over long periods presents a cumulative risk of exposure.	R (Rare)	M (Moderate)	L (Low)	<p>Where possible, use "GelRed".</p> <p>Dispose of gloves immediately after use and before entering other laboratory areas.</p> <p>Dispose of excess EtBr by decontamination.</p> <p>Clean area thoroughly with ethanol after use.</p> <p>All processes involving EtBr must have an associated SOP.</p>			
Possible teratogen and carcinogen	Long term health effects such as cancer.	R (Rare)	M (Major)	M (Medium)	<p>Where possible, use "GelRed".</p> <p>Ensure access to emergency showers and eye wash areas where EtBr is used.</p> <p>Wear safety glasses, gown and double layer of latex or nitrile gloves.</p> <p>Dispose of EtBr by decontamination.</p> <p>Clean area thoroughly with ethanol after use.</p> <p>All processes involving EtBr must have an associated SOP.</p>			

Step 4: Documentation and initial approval:

Completed by: Kate Dixon	Signed: Kate Dixon	Authorised by: Kate Dixon	Date: 5th July 2010
-----------------------------	-----------------------	------------------------------	------------------------

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:
Review Date:	Reviewed by:	Authorised by:
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: