Risk Management Form

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Document Details

Enter the details of the document. The Risk Management Procedure (HS329) should be consulted to assist in the completion of this form.

Document Number	SCI-BABS-RMF-13397	Current Author	Christopher Marquis	Original Author	Christopher Marquis
Approval Status	Approved	Approval Date	04/07/2018		

Title * Operation of Class II Biosafety Cabinet

Faculty * Science

School * School of Biotechnology and Biomolecular Science

Approver * Christopher Marquis

Period of time before next review ○ 6 months ○ 1 year ○ 2 years ◉ 3 years ○ N/A

OR

Next Review Date 6/06/2021

Review Date Reminder ☐ 1 day ☐ 5 days ☐ 10 days ☐ 15 days ☐ 30 days ☐ 45 days ☐ 60 days ☐ 90 days

Risk Management Details

Risk Management Form Description: Using a biological saftey class II cabinet for mammalian cell culture

Locations: All BABS Laboratories;

Persons at Risk *
- ☑ Workers
- ☑ Students
- ☐ Visitors
- ☐ Contractors
- ☐ Members of the public

Consultation Process * Persons must read this form

Related Legislation, Standards, Codes of Practice etc. * WHS Act 2017; WHS Regulations 2017

Related Safety Documents

Related Equipment

Related Activities

Hazards and Risks

Use this section to list each task/scenario and its associated hazard and risk. You can choose multiple tasks by clicking on 'Add new hazard' at the end of this box

Hazard Task/Scenario *: Turning cabinet on and off

Hazard Category *: Non-ionising radiation

Associated Harm *: Burns

Existing Controls *: Only use UV light when needed and when appropriate shielding is in place. Do not lift the glass cover to look directly inside the cabinet whilst the UV indicator light is illuminated. All staff using BSC required to undergo PC1 training or equivalent lab induction that should include proper use of BSC's.

Additional Controls

Risk Consequence	3. Moderate	Risk Likelihood	D. Unlikely	Risk Rating	Medium

Cost of Controls: Nil

Is this reasonably practicable? (•) Yes ( ) No

Hazard Task/Scenario *: Working in cabinet

Hazard Category *: Biological

Associated Harm *: Infection and disease
Needlestick injury
Small spills

Existing Controls *: PPE (Lab coat, Safety glasses and latex/nitrile gloves and closed in shoes) including tying back long hair. Ensure that gloves cover gown cuffs at the wrist: no skin should be exposed. Work within PC2 or QC2 containment laboratory as required.
Awareness of Eye wash and First Aid kit in Lab
Do not re-sheath needles, use of sharps container.
Small Spillages will be decontaminated with 1% Bleach, 70w/v% Ethanol or Cavicide

Additional Controls

Risk Consequence	3. Moderate	Risk Likelihood	D. Unlikely	Risk Rating	Medium

Cost of Controls

Is this reasonably practicable? (•) Yes ( ) No

Hazard Task/Scenario *	Working in cabinet
Hazard Category *	Biological - Poor housekeeping
Associated Harm *	Infection and disease
Existing Controls *	Ineffective air cleansing may occur in BSC II cabinets which are excessively full (i.e. the air vents are obstructed and blocked). Ensure only minimal equipment needed for work is placed in BSC. Do not obstruct air vents. Cabinet needs to be tested and maintained on an annual basis. Check certification prior to work.
Additional Controls	

Risk Consequence	3. Moderate	Risk Likelihood	E. Rare	Risk Rating	Medium

Cost of Controls	
Is this reasonably practicable?	(•) Yes ( ) No

Hazard Task/Scenario *	Disinfecting the cabinet
Hazard Category *	Chemical
Associated Harm *	Burns; inhalation of ethanol fumes.
Existing Controls *	Do not use “excessive amounts” of 80 v/v % ethanol in BSC when disinfecting.
Additional Controls	

Risk Consequence	2. Minor	Risk Likelihood	D. Unlikely	Risk Rating	Low

Cost of Controls	
Is this reasonably practicable?	(•) Yes ( ) No

Other Risk Management Details

Date All Controls Implemented	4/07/2018
Emergency Procedures *	Fire: Cover the fire with a fire blanket if it can be fully contained underneath the blanket otherwise use a fire extinguisher. Carbon dioxide or dry powder is suitable.Be prepared for re ignition, especially if equipment is involved: do not leave the scene unless fumes or smoke become hazardous.Exposure: remove contaminated protective clothing and examine your clothes for contamination which may have soaked through. If day clothing is contaminated, remove, and wash skin under running water immediately for 15 minutes or until medical attention arrives. Assess if any person requires medical attention – contact first aid officers if required.Advise others of the situation and clear the laboratory if required. Spill: See BABS SWP P7 for dealing with biological spillsSee BABS SWP P8 for dealing with chemical spills.Report incident to Lab Supervisor and School H&S representative.For

	emergencies contact UNSW Security on x 56666
Competency and Training Required	Tertiary education in related field plus appropriate training (eg UNSW Lab Safety Awareness) in procedures and use of equipment.
Competency Levels *	1. Read Document

Only add descriptions below for competency levels chosen above

Training Description	
Knowledge Test Description	
License/Cert Description	
Other Competency Description	
Additional Documents	

Declare As Read

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