



Checklist for UCC Laboratory Biosafety Inspections: 1st Visit

Department:		Building:	Room: (PI)	
Room: (Lab)		Autoclave Loc	cation:	
		Responsible P	Person:	
		2□		
Inspected by:			Date:/_/_	
Key: >	A Class 2 X = no √ = yes N/A = not app nple documents available for i			
(A)Ot	ther Requirements			
	Annual Report Submitted (2010)? deadline 31st March 2011			
(B) G	Good Microbiological Prac	ctice (GMP) [GM	'M Class 2]	
	The laboratory should be easy to clean. Bench surfaces should be impervious to water and resistant to acids, alkalis, solvents and disinfectants			
	Benches should be clean and free from clutter & Bench tops should be cleaned after use			
	The laboratory door sh	ould be closed v	when work is in progress	
	Biohazard sign at entra	nce to lab, autocl	ave area, freezer area	
	Minimise the productio	n of aerosols		
	The identity of GMOs s culturing of incorrect st	•	arly checked to avoid the	
	Appropriate training of	personnel - Sta	ff training record	
	Maintenance of equipme Hoods	Maintenance of equipment – Autoclave/Fume cupboards/Laminar Flow Hoods		
	Inactivation Record (Au	itoclave)		
	Washing and decontar	Washing and decontamination facilities		
	Hands must be disinfected or washed immediately when contamination is suspected, after handling viable materials and also before leaving the laboratory			





Effective disinfectants should be available for immediate use in the event of spillage		
Used laboratory glassware and other materials awaiting disinfection must be stored in a safe manner		
Use of sharps should be avoided. Contaminated syringes and sharp must be disposed of in a "sharps bin" and incinerated		
Materials for disposal must be transported in robust and leakproof containers without spillage		
Eating, chewing, drinking, taking medication, smoking, storing of foo and applying cosmetics must not take place in the work area		
Mouth pipetting must not take place		
Laboratory coats should be worn in the laboratory and removed whe leaving the laboratory suite		
Personal protective equipment, including protective clothing, must be stored in a well defined place - checked and cleaned at suitable intervals - when discovered to be defective, repaired/replaced before further use		
Personal protective equipment which may be contaminated by biological agents must be: - removed on leaving the working area - kept apart from uncontaminated clothing - decontaminated and cleaned, or if necessary, destroyed		
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Biosafety Manual with SOPs		
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All accidents and incidents should be immediately reported to and recorded by the person responsible for the work or other delegated person Animals must not be allowed to enter into the laboratory Physical Control Measures: Facility Design [GMM Class 2] process with viable micro-organisms separated from the environment (closed system) restricted access to the facility (e.g. electronic cards,camera) Accessibility of window that opens biohazard sign on the door signs at laboratory entrance: - special hazard signs if an organism containing rDNA needs special provision for persons entering the laboratory		





	Absence of floor drains within the work area				
(D) Physical Control Measures: Containment equipment [GMM Class 2]					
	check the suitability of equipment used for safety purposes				
	check the suitability of any chemical disinfectants in use				
	check position of the autoclave with respect to the GMO installation (in the building)				
	wash hand basin or sink that can be used for hand washing with: - dispenser containing soap - dispenser containing hand disinfectant - paper towels				
	check position and design of biological safety hoods				
	Check design of the equipment for the safe storage of GMOs. Storage is not allowed in floors as long it is not part of the facility.				
	check design of waste transport containers				
	check design of containers for the transport of GMOs inside the facility				
	check design of centrifuge buckets				
	filters have to be sterilised on site or instantly sealed in a plastic bag for later sterilization				
	Provision of eye wash stations / bottles / equipment (1Y/2Y)				
(E) Safe	ety Management – Work Procedures [GMM Class 2]				
	doors and windows closed while working				
	access to the laboratory must be restricted when experiments are in progress				
	workers should be given adequate information on safety matters and be suitably trained. Training should include the following points: a) the existence and application of written work procedures b) the procedures for using particular pieces of equipment c) spillage control and other emergency procedures				
	check at which process steps hazardous quantities of aerosols are formed. Any operation that may involve the formation of aerosols (e.g. sonicating, centrifuging, pipetting) shall be performed in such a way as to ensure that these do not find their way into the working area.				
	GMO's are only to be transported within the facility in closed, robust and leakproof containers				
	work surfaces must be decontaminated daily and after a spillage				





	inactivation of GMOs in contaminated material and waste		
	users should ensure that the performance of safety equipment is validated (e.g. autoclaves and safety hoods) - validation of equipment (e.g. autoclaves, safety hoods) - maintenance of the equipment - markers used to verify the efficiency of autoclaves		
	skin contact with rDNA material must be avoided		
	decontaminate protective clothing before laundering		
	protective clothing and street wear must be kept separate		
Optional	Gloves		
	implementation of an insect and rodent control programme		
	where appropriate make vaccines available		
Optional	where appropriate serum samples must be taken from workers and stored to provide baseline information in the event of an unexplained illness		
	sample collection, addition of materials to closed system and transfer of viable micro-organisms to another closed system, should be performed as appropriate		
	safe storage of biological agents		
	Regular identification and confirmation of purity of microbial strains		
	Safe storage of contaminated laboratory equipment		
	Personnel to remove protective clothing on leaving the facility		
	Worker required to wear closed shoes		
	Regular maintenance of safety equipment such as safety cabinets		

IMPORTANT: Please refer back to your EPA GMO registry to see the conditions that apply to your lab. Some items that are optional for one lab may be required for another. This checklist is for guideline purposes only.





Recommendations/Comments:						
Next Visit Date:/_/_						

Copy to be given to Principal Investigator/Responsible person.