

Biological Safety Inspection Checklist

Area inspected: JBC M Floor South Side TC Suite, ML4-237
Date of Inspection: 4/3/2009
Inspection Team: Ian Scragg, Joost Zomerdijk, Lisa Grayson

1. Facility

- a. Is the door to the facility appropriately labelled (i.e. biohazard & no access to cleaners)? **Yes**
- b. Is access to the facility restricted in any way? **Yes**
- c. What is the Hazard Group/Class of the work being done? **1 and 2**
- d. If mixed, are MSCs and incubators used for HG/CL 2 work identified as such? **Yes**
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1. Questions for personnel: *One worker questioned*

- a. Have you read any risk assessments relating to your work? **Yes**
- b. Are you aware of the Safe Operating Procedures that apply to your work? **Yes**
- c. Who trained you when you first started work with cell cultures/biological material? **Lab Manager**
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2. PPE

- a. Are lab coats available? **Yes**
- b. If yes, are they worn? **50%**
- c. Which type of disposable gloves are available? **Nitrile mainly, some latex**
- d. Are safety glasses readily available? **Yes**
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3. Housekeeping & Hygiene

- a. Is the facility clean and tidy? **Yes**
- b. Is the wash-hand basin clean? **Yes**
- c. Are soap and paper towels available? **Yes**

- d. Is an eye-wash readily accessible? *In main lab* **Yes**
- e. Are reagents safely stored (check inside fridges)? **Yes**

4. Equipment

- a. Are centrifuges clean and well maintained? **Buckets require cleaning**
- b. If required, are aerosol containment canisters available? **Yes**
- c. Are incubators clean and well maintained? **Yes**
- d. Are culture vessels clearly labelled? **Yes**
- e. Are microbiological safety cabinets clean and well maintained? **Yes**
- f. Are they being used appropriately? **Virus hood is rather crowded**

5. Disinfection

- a. Is 70% ethanol in use? *Isopropanol used instead of ethanol* **No**
- b. Are the bottles properly labelled (i.e. 70% EtOH; Flammable)? **No**
 Spray bottles are not labelled
- c. Is 1% Virkon solution in use? *Tin of powder under the sink appears to be empty* **No**
- d. Are the bottles properly labelled (i.e. 1% Virkon made up on dd/mm/yy)? **N/A**
- e. Is the Virkon solution still pink? **N/A**

6. Waste

Is waste being disposed of/are waste receptacles being used appropriately?

- a. Sharps **Yes**
- b. Large plastic pipettes **Yes**
- c. Large glass pipettes *None in use* **N/A**
- d. Solid autoclavable waste **Yes**
- e. Liquid waste **Yes**
- g. Blood/tissue **N/A**
- h. Is there a designated area for storing small items to be uplifted for autoclaving? *Under sink* **Yes**
- i. Are the items stored so as to prevent breakage/spillage (e.g. in a plastic tub)? **N/A**
 No breakables present

7. Other

- a. Is a spill kit readily available? *In main lab* **Yes**
- b. Is the spill SOP on display? **Yes**

8. Action/Additional Comments

A 25l drum of isopropanol was present in the suite at the time of the inspection. Stocks of flammable liquids should be stored in a flame proof cabinet. Please relocate the drum accordingly. **[ASAP; Lab Manager]**

Only half of the workers observed during the inspection were wearing lab coats. Lab coats must be worn when working in a CL2 facility. Staff must be reminded of this. **[ASAP; Lab Manager]**

An aspirator is attached to the Virus hood. The CL2 SOP advises against use of aspirators to prevent formation of aerosols and contamination of the vacuum pump. Please confirm whether the aspirator is used to aspirate virus contaminated waste. If it is, please give a reason. **[within one week; users of Virus hood]**

Number of items stored in the Virus hood should be kept to a minimum. This will minimise turbulence and maximise containment and sterility. **[ASAP; users of virus hood]**

This facility appears to be very well managed and maintained.