



Item 10.2 - Disinfectant

The University of Western Ontario
University Biosafety Committee Meeting

Minutes of June 26, 2012

10:00 am – Noon, Support Services Building Room 4220

Present: Dr. J. Millar (Chair), Dr. S. Barr, Dr. G. Dekaban, Dr. T. Dzialoszynski, Dr. P. Ferguson, Dr. A. Margaritis (arrived late), Dr. E. Ostrakhovitch, Dr. S. Siu, Dr. G. Thorn, J. Gibbings (Safety Coordinator, LHSC), J. Horne (Manager of Research Personnel, LHSC/Lawson), R. Noseworthy, Jane O'Brien, A. Scott, J. Stanley, S. Seaton (OHS Intern), G. Tsai (Dr. Siu's guest), J. Tucker

Regrets: Dr. S. Damjanovski, Dr. T. deLangley, Dr. C. Pin, Dr. I. Welch, T. Hammoud, M. Mics, C. Pape, J. Whitty

1. Introductions & Agenda

(J. Millar)

The Committee introduced themselves to Jamie Gibbings, Julie Horne, Shauntel Seaton and Gina Tsai.

The agenda was amended to include a new item - 3.2 Level 3 Emergency Medical Follow-up.

2. Approval of Minutes, March 1, 2012

(VOTE)

(J. Millar)

Motion: Dr. G. Thorn

Seconded: Dr. T. Dzialoszynski

Approved: Minutes approved as presented.

3. Business Arising

(J. Millar)

3.1 Biosafety Review Update

(J. Millar)

Two new processes have been introduced into the Biohazard Form review process. The first is that researchers must now have their proposals submitted by the last day of the month prior to the Biohazards Committee meeting. This eliminates last minute proposals and ensures that the Subcommittee has adequate time for the review process. The second process involves minor modifications. These proposals can be approved in-house without having to be resubmitted to the Committee. Since the last Biosafety Committee meeting, a significant number of proposals have been approved like this.

3.2 Level 3 Emergency Medical Follow-Up

(J. Millar, J. O'Brien)

In previous meetings, the Committee has discussed concerns surrounding Level 3 workers who may have an accidental exposure after-hours. Workers are to go to the University Hospital emergency department, but unfortunately they are unlikely to receive

priority treatment there. It has been decided that, if the incident occurs within work hours, Dr. Sui has written orders for Workplace Health to deal with the workers on-campus. For incidents that occur outside of work hours, a letter will be given to the workers from the Dean of The Schulich School of Medicine and Dentistry. This letter is to be presented to Emergency staff indicating that Level 3 workers must be given priority treatment.

4. New Business

4.1 Sheep Unit: Procedure Guideline SF-03 (VOTE) (J. Stanley)

The Sheep Unit is proposing to use Envirochem as its disinfectant instead of Virobac. It is difficult to obtain Virobac in Canada and Envirochem is similar to Virobac and has been referenced in the MSDS for *Coxiella burnetii*. One correction was made to the SOP. It should read, "This standard is available at..." not "This standard if available at..."

Motion: Dr. G. Dekaban

Seconded: Dr. S. Siu

4.2 Biosafety Program Update (J. Stanley)

4.2.1 Manual (VOTE)

The Biosafety Guidelines and Procedures Manual has been updated with some of the following changes: links have been updated; references to "UWO" have been changed to "Western University"; typographical errors have been corrected; and some words have been capitalized.

Motion: Dr. P. Ferguson

Seconded: Dr. A. Margaritis

4.3 Viral Vector Policy (VOTE) (G. Dekaban, S. Barr)

There has been research done in regards to the development of ways to produce packaging signals that can be deleted. Investigators are being encouraged to develop these kinds of gamma retroviral and lentiviral vectors. This will provide an extra layer of safety and doesn't require any changes in terms of verification.

Motion: Dr. G. Dekaban

Seconded: Dr. S. Barr

5. Other Business (J. Millar)

None.

6. Next meeting: To be determined (October 2012)

The next meeting will be held in October 2012.

7. Adjournment

Motioned: Dr. T. Dzialoszynski

Seconded: Dr. G. Thorn



**The University of Western Ontario
Biohazards Subcommittee Meeting**

Minutes of May 11th, 2012
9:30 a.m. – 11:00 a.m., SSB 5104

Present: Dr. J. Millar (Chair), Dr. S. Barr, Dr. S. Siu, R. Noseworthy (for Dr. G. Dekaban), J. Stanley, S. Tomlinson, S. Xhiku, S. Seaton (OH&S Intern)

Regrets: Dr. G. Dekaban, Dr. T. deLangley, Dr. S. Koval, Dr. I. Welch

1.0 Introductions

The committee introduced themselves to S. Seaton (OHS Intern) and S. Tomlinson (Practicum student at Robarts).

2.0 Approval of Minutes – April 13th, 2012

Motioned: Dr. S. Siu Seconded: Dr. J. Millar (Chair)

3.0 Office Approvals

There were seventeen office approvals.

4.0 Biological Agents Registry Forms

4.1 Allan, A. (Modification)

Tabled: The Committee requires more detail on the work being done with the Lentivirus such as which genes are targeted for knockdown and the effect that this will have on the cells. Clarification is also required regarding the containment level of the work as the form refers to both Level 2 and Level 2 plus. At what containment level is the mouse work done? Dr. Dekaban and/or Dr. Barr will need to review this one once the updated information is received.

4.2 Beier, F.

Approved: Question 4.3.2 should be answered "Yes". E1A oncogene use in Section 5.0 should be "Yes".

4.3 MacDonald, J.

Tabled: In Section 2.3 the ATCC level for DT-40 avian is Level 1. In Section 4.3 the researcher needs to list the genes that will be transduced for shRNA. Which genes are targeted for knockdown? More specifics are required in the description regarding the work being done with Lentivirus. In Section 5.0 the question regarding HIV should likely be marked as "Yes". The quantity of toxin stored is for high for such a low LD₅₀.

4.4 McGavin, M.

Approved: In Table 3.2 the containment level for human source material is Level 2. Biological waste must be autoclaved. The animal work in Section 7 is Level 2. In Section 15.2 please list what First Aid measures will be taken in the event of a needlestick injury or accidental splash.

4.5 Chakraborty, C.

Tabled: The summary should say -80°C freezer instead of -800°C. The information stated in Table 4.2 should be in Table 4.3. Table 4.2 should then be completed accordingly to reflect what will happen to the bacteria. Section 5.0 is incomplete. Tissue disposal procedures should be described on Page 2.

4.6 Ray, M.

Tabled: There are spelling errors throughout the form. Disposal procedures should be listed for *Salmonella* on Page 2. *Clostridium* is not listed in Table 1.2. Is the researcher working with influent or effluent waste water? Staff must be vaccinated and must use universal precautions when handling samples.

4.7 Kowalchuk, M. and Paterson, D.

Approved: The researcher should specify in the summary for what purpose they are using the blood samples. The disposal procedures for the human muscle samples should be listed. For 3.2 and 14.1, universal precautions are required.

4.8 Southam, G. (Revisit, February 2012)

Approved: This protocol needs to be reviewed by Dr. S. Koval and can be approved once she is satisfied with it.

Update May 23, 2012: Approved by e-mail from Dr. S. Koval

4.9 Dunning, C. (Revisit, April 2012)

Approved: Gloves, safety glasses and lab coats should be used when preparing the bone. If power tools are used in the process, a fit-tested N-95 NIOSH-approved respirator must be worn to protect against aerosols.

4.10 Mottola, M. (Revisit, May/February 2012)

Approved: In Section 5.0 the question involving HTLV should say "No". In Section 14.2 the date for the last inspection should be provided. Dr. Siu will confirm that the personnel are vaccinated. Dr. Siu and J. Stanley will look into procedures which create aerosols and how they can be minimized, otherwise a biological safety cabinet may be required.

4.11 Siqueira, W.

Approved: Section 1.1 should be "No". In Section 14.2 the date for the last inspection should be provided. Ethanol (not methanol) should be used.

4.12 Richardson, B. (Revisit, February 2012)

Approved: The summary needs to be more detailed (i.e. it should include the Animal Use Protocol lay summary). In Section 1.2 the taxonomy and spelling for *Coxiella burnetii* needs to be corrected.

Last Minute Additions

4.13 Others?

None.

5. Fenton bat Project Revisit/Discussion (J. Millar)

According to CDC, aerosol transmission of rabies is a possible exposure route. The Biohazards Subcommittee mandates the use of Personal Protective Equipment when handling bats. In addition to rabies, these measures are put in place in order to protect against any other infectious agents that bats may carry or transmit such as Bat Flu.

6. CFIA and PHAC Biocontainment Programs (J. Stanley)

CFIA and PHAC will be merging their Biocontainment Standards into one. Once this merger happens, it is expected that researchers will only need one permit for animal and human pathogens.

7. Biological Agents Registry Form Review (J. Stanley)

The Biological Agents Registry Form was changed to reflect the changes proposed in the previous meeting. The committee reviewed the form and all changes have been approved except for the removal of "CFIA" from Table 1.2.

8. Sheep Unit SOP's

8.1 Typographical Changes to SF-01, SF-04, SF-05, SF-06, SF-07

In Section 3.1.1 of SF-01, it should say "Persons who do not" rather than "Persons who so not". In Section 7.4 it should be "named" instead of "name".

8.2 Modification to SF-03

J. Stanley informed the committee that the disinfectant used in the Sheep Unit is being changed to Envirochem.

9. Next meeting date: June 15th? (J. Stanley)

Drs. Millar, Barr and Siu will be available on the 15th. Drs. Millar and Siu will not be available for June 8th but Dr. Barr will be. Drs. Dekaban, Koval and ACVS will let J. Stanley know their availability.

10. Other Business (J. Millar)

The Committee will have an appreciation lunch at Windermere. Occupational Health and Safety will be in touch to try to schedule the event.

11. Adjournment (J. Millar)

The meeting was adjourned at 10:35 am.