

Agence canadienne d'inspection des aliments



CFIA-ACIA

Canadian Food Inspection Agency

Biohazard Containment &amp; Safety Division

Laboratories Directorate

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Direction des laboratoires

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## Inspection Checklist - Animal Pathogen Containment Level 2 Laboratories

Importer's Name: Dr. Frederick S, B. Kibenge	Safety Officer: Dr. Rhoda Speare
Address: Atlantic Veterinary College Dept. of Pathology/Microbiology 550 University Avenue, Ch'town PE	Address: University of prince Edward Island Human Resources 550 University Ave. Ch'town PE C1A 4P3
Phone: (902) 566-0967 Fax: (902) 566-0851	Phone: (902) 620-5071 Fax: (902) 894-2895
Imported Material: Infectious salmon anaemia virus (ISAV) Building / Room # where material will be handled: Room 329S, AWC	radioisotope Storage, PCR virus extraction 330S 326S 318S sterile work

Item	Reference to Standard	Questions	Satisfactory (S) Unsatisfactory (US) N/A	Comments
<b>1- Organizational Structure</b>				
Biological Safety Officer		Is there a Biological Safety Officer or individual responsible for biological safety? (this individual should be present during the inspection)	S	
Safety Manual	p. 45	Is there a laboratory procedural or safety manual? (quickly review the manual)	S	
		Is there a copy of "Containment Standards for Veterinary Facilities" available to lab staff? (have staff read this document)	S	

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Item	Reference to Standard	Questions	Satisfactory (S) Unsatisfactory (US) N/A	Comments
<b>2- Training</b>				
Training	p. 45	Have lab staff read and understood the safety manual? (ask a lab staff member if they read the manual)	S	
	p. 45	Do all persons in the laboratory know and follow the operational protocols for the projects in process?	S	
	p. 45	Is there written documentation of the training provided? (review this documentation)	S	new workers training form used & filed
	p. 45	Are housekeeping staff trained in the hazards associated with the imported material? (what kind of training do cleaners receive)	S	Maintenance staff trained as to what they can & cannot touch
	p. 45	Are other staff entering the lab (e.g. maintenance workers) trained in hazards specific to the imported material? (what kind of training do maintenance workers receive)	S	Maintenance staff will be accompanied by lab staff to ensure safety
<b>3- Physical Requirements</b>				
Access	p. 6	Is access to the laboratory area restricted to persons on official business? (determine how - locks and/or signs)	S	
Signs	p. 6	Are biohazard signs posted on the laboratory doors warning of the agents in use?	S	CL2 agents, level 3 oper procedures;
	p. 6	Do the signs list the name and phone number of the person to contact in case of emergency?	S	
Offices	p. 7	Are office areas located outside of lab working areas? (paperwork stations are permitted within the lab areas)	S	
	p. 7	Are the paperwork stations in the labs located away from hazardous materials? (check that manipulation of biologicals is done away from the paperwork)	S	
General Condition	p. 17	Is the lab kept neat, orderly and clean?	S	
Perimeter	p. 8	Are doors and windows to the laboratory area kept closed? (check to make sure there are no door stops by the doors)	S	

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### Inspection Checklist - Animal Pathogen Containment Level 2 Laboratories

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Item	Reference to Standard	Questions	Satisfactory (S) Unsatisfactory (US) N/A	Comments
Furnishings	p. 37	Are bench tops in good condition and general repair? <i>(they should be cleanable and resistant to disinfection, ie. no open wood on the bench tops)</i>	S	
	p. 38	Are hand washing sinks provided in the laboratory?	S	
Air Handling System	p. 10	Does the laboratory have inward directional airflow? <i>(check this at doorway using a smoke pencil or tissue)</i>	S	
	p. 43	Does the HVAC system interfere with the airflows of biological safety cabinets? <i>(check to make sure cabinets are not located directly under a supply diffuser)</i>	S	
Biological Safety Cabinets (BSC)	p. 18	Are BSC's used for heavy aerosol generating procedures? <i>(work with agents on the bench is permitted at level 2 - lab supervisor should assess which procedures to be done in BSC)</i>	S	<i>Yes; also used to open sample centrifuges in closed rotors -</i>
	p. 44	Are BSC's certified in accordance with CSA Z316.3-95 at least annually? <i>(check for certification sticker - certification to NSF 49 is also permitted)</i>	S	
	p. 44	Does the certification sticker indicate the date of next certification, to what standards the tests were performed and the name of the certifier?	S	
	p. 44	Is a copy of the certification report readily available? <i>(ask to see a copy of the report)</i>	S	<i>Copies in Biomedical Engineering with BSO</i>
Autoclaves	p. 8	Is there an autoclave in the laboratory area? <i>(can be located in a central decontamination area for the facility)</i>	S	
	p. 9	Is the autoclave equipped with a cycle log recorder? <i>(examine one of the print outs of a run and check for sterilization, ie. 121°C)</i>	S	
Pest Program	p. 9	Is the laboratory proofed against vermin and insects? <i>(check for dead flies and mouse droppings)</i>	S	
<b>4- Operational Practices</b>				
Uniforms	p. 47	Are lab coats, gowns or coveralls worn when working in the laboratory?	S	

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Item	Reference to Standard	Questions.	Satisfactory (S) Unsatisfactory (US) N/A	Comments
	p. 47	Are the lab coats worn only in the laboratory areas? (check to see if anyone is wearing lab coats in offices, cafeteria, library)	S	
	p. 47	Are gloves worn when directly contacting the imported infectious materials?	S	double glove when using infectious materials
	p. 48	Are gloves decontaminated before disposal? (check to ensure no latex gloves are disposed of in regular garbage)	S	
	p. 47	Are hands washed after handling infectious materials and before leaving the laboratory? (If you've touched anything in the lab, do they make you wash your hands when you leave the area)	S	
	p. 47	Is eating, chewing gum, smoking, storing food and applying cosmetics prohibited? (check the fridge for food)	S	
	p. 47	Are only closed toe and heel footwear worn in the laboratory area?	S	
	p. 47	Is long hair tied back so that it cannot come into contact with hands, specimens and equipment?	S	
Decontamination	p. 60	Are written procedures available for the decontamination methods used? (ask to review a copy of these documents)	S	
	p. 48	Are all contaminated materials decontaminated before disposal? (Please specify - autoclaving / disinfection / incineration)	S	Autoclaving
	p. 48	Are contaminated work surfaces decontaminated at the end of the day? (do they swab the bench tops with disinfectant)	S	Bench tops wiped with Vukon or 70% Isopropanol
	p. 61	Are the disinfectants used for decontamination effective against the imported agent? (Please specify which disinfectants are being used)	S	(Vukon, 70% alcohol)
	p. 48	Is the efficacy of the autoclave monitored using biological indicators? (ask to see their indicators and how they conduct this testing)	S	
	p. 48	Are records of the efficacy testing kept on file? (review these files)	S	

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Item	Reference to Standard	Questions	Satisfactory (S) Unsatisfactory (US) N/A	Comments
	p. 48	Are the autoclave cycle log recordings kept on file? (review these files)	S	
Emergency Procedures	p. 46	Are there written emergency procedures for spill clean-up, BSC failure, power failure, animal escape and other emergencies? (review a copy of these procedures)	S	
Records		Are there records kept of the imported pathogen? (review these records)	S	
		Do the records indicate where the pathogen was used/stored and the date of disposal? (trace an imported pathogen through the record system from receipt to disposal)	S	

Inukibenge

Laboratory Representative

Dr Rhoda Pearce

Institutional Safety Officer

June 26/09

Date

- infectious agents are centrifuged in sealed rotors; opened in BSC
- double gloves worn when dealing with infectious agents
- separate areas for different procedures (clean room/dirty rm)
- SOP for avian influenza virus extraction, as per CFIA
- different rooms for different functions

(05/2002)

**From:** Paul Maclsaac  
**To:** ImportZoopath  
**Date:** Wed, Jul 8, 2009 12:05 pm  
**Subject:** Re: Application for permit to import ISAV

Hi Cinthia!

No worries! I never know where head is on any given day anyways! ;>

With respect to your question, if the strains are to be used for *in vitro* use, then Level 2 is sufficient, however, if there is to be any *in vivo* work then there must be a reapplication to CFIA by Dr. Kibenge for a new permit so that we can set levels and other conditions due to the fact that these strains of the ISAV-pathogen are exotic to Canada. In speaking with Joanne, I understand you have wording to this effect on these types of permits so all is well! If you have any questions please don't hesitate to contact us! Have a great one --

Paul

>>> ImportZoopath 2009/07/08 11:21 am >>>  
Hi Paul,

My mistake, the application says Chile. I don't know where my head was that day.

Please provide comments for these 2 applications. Thanks.

Cinthia L.

>>> Paul Maclsaac 2009-06-30 13:51 >>>  
Hello Cinthia,

As I am trying to meet up with Joanne regarding your request on this, I was wondering if you would be able to confirm that the ISAV strain from Costa Rica is from that area or if there was a reporting error to you as I do not recall Costa Rica being listed for this disease. Appreciate the help on this!

Thanks ,

Paul

>>> ImportZoopath 2009/06/29 3:05 pm >>>  
Hi Paul, Hi Joanne,

We have just received 2 applications from Dr. Fred Kibenge, UPEI Atlantic Vet College to import lab material with infectious salmon anemia virus (ISAV) from 2 locations

- 1) ~~Costa Rica~~ CHILE !!!
- 2) UK - Scotland

The goal is to provide assistance through the OIE Reference Laboratory Network to confirm presence of ISAV in diagnostic samples / and to establish a database of ISAV strains. For work in vitro only.

Do you allow this importation - using a containment level 2 permit. Do we add additional conditions? If so, which ones?

Thank you