



Non-Human Primate Pathological Waste Disposal

Purpose

This procedure specifies the requirements for the safe handling and disposal of non-human primate pathological waste through the UBC Environmental Services Facility (ESF) to ensure compliance with all legislation.

Scope

This procedure applies to the disposal of non-human primate pathological waste such as the entire carcass, body parts, tissue, blood and body fluids of Macaques (monkeys of the genus *Macaca*).

Background

Disposal of biohazardous and biomedical waste to regular landfills is prohibited by Metro Vancouver and under the BC Hazardous Waste Regulation 2009.

Macaques are widely used in biomedical research because of their genetic, anatomic, and physiologic similarities to humans. In this setting, human contact directly with macaques or with their tissues and fluids sometimes occurs. *Cercopithecine herpesvirus 1* (herpesvirus simiae, B virus), an alphaherpesvirus endemic in Asian macaques, is classified as a Risk Group 4 biohazard in its pure form. Most macaques naturally carry B virus without overt signs of disease. However, zoonotic infection with B virus in humans usually results in fatal encephalomyelitis or severe neurologic impairment. Although the incidence of human infection with B virus is low, a death rate of >70% before the availability of antiviral therapy makes this virus a serious zoonotic threat.

The biomedical waste disposal contractor that collects and treats all of UBC's biohazardous and biomedical waste requires non-human primate pathological waste to test negative for Cercopithecine Herpesvirus 1 prior to disposal. A special license and Transport Canada ERAP is required because waste may contain this virus. Non-human primate waste, which has tested negative by serological testing within one (1) year of death, can be disposed as biomedical waste.

Procedure

- It is the **responsibility of each Principal Investigator (PI), supervisor, or veterinarian to submit a declaration to Safety & Risk Services ESF**, prior to primate waste disposal.
 - See sample "UBC Primate Disposal Declaration"
 - Declaration forms and/or test results must be emailed to ESF.
 - Ensure declarations and most recent test results are received by ESF prior to pick-up.
- Serological test results for *Cercopithecine Herpesvirus 1* (B virus) for the animal must be dated within one year of animal death.
- Declarations must confirm that the animal was tested and shown to be **negative** for *Cercopithecine Herpesvirus 1*.
- All primates testing **positive** for *Cercopithecine Herpesvirus 1*, should be euthanized and autoclaved to be acceptable for disposal as anatomical waste.
- Animals that were NOT tested will be treated as contaminated and will require autoclaving prior to disposal.
- Primate anatomical waste must be double-bagged securely in red "biohazard" bags.
- Bags **MUST** be tagged with the **Biological Waste Disposal tag (Red)** shown below.
- Affix your waste generator barcode where indicated.
- On the tag check the box marked "**Primates**".
- The bags must be placed in a lined box or red pail and stored in the freezer.
- Contact ESF at 604-827-5389 if you have any questions.



Biological Waste Disposal Tag



BIOLOGICAL WASTE DISPOSAL

The University of British Columbia, Environmental Services Facility

Parcel Identification No:

BIOLOGICAL WASTE DISPOSAL



Parcel Identification No:

GENERATOR TO COMPLETE THIS SECTION ONLY

AFFIX IDENTIFICATION BARCODE LABEL HERE

WASTE CONTENT

<input type="checkbox"/> Autoclaved Risk Group 1	<input type="checkbox"/> Autoclaved Risk Group 2
BIOMEDICAL	
<input type="checkbox"/> Animal Carcasses Uncontaminated	<input type="checkbox"/> Animal Carcasses Contaminated
<input type="checkbox"/> Animal Blood & Body Fluids	<input type="checkbox"/> Sharps
<input type="checkbox"/> Human Anatomical	<input type="checkbox"/> Pharmaceuticals (non-narcotic)
<input type="checkbox"/> Human Blood & Body Fluids	<input type="checkbox"/> Controlled drugs (destroyed)*
<input type="checkbox"/> Primates*	<input type="checkbox"/> Contaminated solid waste*

Other * _____

* Contact ESF

Office use only:

Weight _____ Kg



Environmental Services Facility (ESF)
Phone 604.822.1285



UBC Primate Disposal Declaration

To UBC Environmental Services Facility

I hereby certify that the primate waste for disposal:

- Was tested **NEGATIVE** for *Cercopithecine Herpesvirus 1*
A copy of the most recent test results (must be within one year of disposal) is attached
- Was tested **POSITIVE** for Cercopithecine Herpesvirus 1 and was **AUTOCLAVED** prior to disposal
- Was **NOT** tested but **FIXED** (subjected to sufficient perfusion) with formalin to render the waste non-infectious
- Was **NOT** tested for the virus but **AUTOCLAVED** prior to disposal

Signature	
Name	
Job title	
Waste Generator ID	
Facility/Department	
Building/Address	
Work Phone	
Email	
Date	