

	Standard Operating Procedure #1000		Page 1 of 1
	MicroCT Decontamination Procedure		
	Investigator: Jan Markowski	Location: MicroCT Imaging Facility	Revision: 00

1. Introduction

- 1.1 Research using animals presents unique hazards related to naturally occurring pathogenic organisms which may be transmitted from the animals and infect the people working with and caring for these animals. Similarly, humans may transmit diseases to animals.
- 1.2 Animal technicians are required to execute procedures related to animal preparation and decontamination of the area in compliance with local policies from *The University of Western Ontario Council for Animal Care* (UCAC).
- 1.3 Working with animals in the MicroCT Imaging Facility requires additional thought to risks of contamination of items in the facility. All objects that come in contact with any animal or animal equipment must be decontaminated, and stored away from human use items.

2. Procedure for Decontamination of MicroCT Lab

- 2.1 The MicroCT must be decontaminated after each use involving an animal, regardless of the experimental apparatus used to perform the study.
- 2.2 A disinfectant approved by the Facility Manager will be used. The MSDS is listed in the Binder located in the control room.
- 2.3 All surfaces of scanner beds, countertops, floors, etc. will be wiped with Clidox solution (1:5:1). Clidox has a shelf life of 24 hours and should be prepared at the beginning of each day when experiments with animals is anticipated.
 - 2.3.1 Wipe the solution onto the contaminated (or possibly contaminated) surface.
 - 2.3.2 Let Clidox solution remain in contact with surface for 10min.
 - 2.3.3 Wipe surfaces clean with cold tap water.
 - 2.3.4 If the surface is metallic, it is important that the surface be rinsed with water after 10min because Clidox will corrode the metal.

3. Animal Waste Removal Procedure

- 3.1 All animal waste from the MicroCT lab area will be treated according to the documented Robarts waste removal procedures as outlined below.
- 3.2 Animal carcasses and any animal waste must be bagged in normal garbage bags (i.e. clear, green, black or white). Do NOT use Bio-Hazardous Waste bags.
- 3.3 Once bagged, the animal carcass and/or waste is to be placed in the freezer on the first floor by the loading dock.
- 3.4 UWO will collect the bags from the freezer and dispose of the waste in the incinerator.
- 3.5 All questions regarding waste disposal may be addressed to the Occupational Health and Safety (OH&S) coordinator.

Originator:	DOC #: 1000	Active Date:	Retired Date:
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_____ Name & Title	_____ Date	_____ Name & Title	_____ Date