

## Center for Biomedical Research / IACUC Standard Operating Procedure - Guidelines

### CBR2: Animal Transport for Imaging and Gamma Irradiation

**Purpose/Scope/Application:** At the School of Medicine and Health Sciences (SMHS) there is an increasing need to perform longitudinal imaging studies and to gamma irradiate animals. However, the imaging facilities, the gamma irradiation facility, and a procedure room used to study animals are housed outside CBR2 facility. Therefore, in an effort to reduce the number of animals needed for these types of studies and to ensure these animals receive proper care, the Center for Biomedical Research has developed a transport procedure that will allow an investigator, with permission, to return animals back into the CBR2 facility to be housed in isolation.

**Eligibility:** Investigators who wish to take advantage of this procedure must (1) be granted permission from the facility veterinarian, (2) receive an approved protocol amendment or receive approval of a new animal protocol detailing this transport procedure, and (3) document the movement of animals in and out of CBR2 using the attached form or a derivation of this form.

The CBR facility supervisor (Randy Luehring, 7-3310) must be notified when animals are placed into the quarantine space. Quarantine space in the CBR2 facility is very limited, so we will make every effort to accommodate investigators.

**Note:** CBR2 will remain a closed facility with the exception of those investigators approved for imaging and gamma irradiation studies.

#### **Areas outside the CBR2 facility covered by this procedure:**

1. Gamma Irradiation Room, SMHS, Rm W142
2. Imaging Facility, SMHS, Rm W161
3. Procedure Room, SMHS, Rm W272
4. Fluorescent Imaging Room, SMHS, Rm W361A

**All animals returned to the CBR2 facility must be housed in assigned isolation chambers in room W157D.** Isolation chambers will be assigned once permission to transport animals has been granted.

#### **Procedure**

1. Transport out of CBR2 facility:
  - a. Animals removed from the general animal holding rooms or the isolation cubicles (W157D) in CBR2 must occur as described in the UND Animal Transport Policy using double-walled transport containers.
  - b. Animals removed from the general animal holding rooms in CBR2 must be removed from the log for that room and transferred to the log for the isolation room (W157) if the transfer has not already occurred.

- c. Animals in double-walled transport containers will be placed on carts and moved to the main entrance doorway.
- d. Animals will then be transferred by hand across the threshold and placed on a cart kept in the entrance corridor labeled "CBR2 Imaging."
- e. Animals can then be removed from the CBR2 facility.

**Note:** Carts cannot cross the threshold.

2. Transport back into the CBR2 facility:
  - a. Prior to being returned to the facility, all animals must be fully recovered from any procedure requiring the use of an anesthetic.
  - b. Once recovered, the animals must be placed in a double-walled transport container making sure that the outer container is free of contamination.
  - c. Animals in double-walled transport containers will be placed on carts and moved to the main entrance doorway of CBR2.
  - d. Animals will then be transferred by hand across the threshold and placed on a cart kept within the facility; then transported into the isolation room (W157D) and placed within the assigned cubicle.
  - e. The facility's imaging cart and the empty transport containers must be cleaned and decontaminated.

**Note:** Carts cannot cross the threshold.

3. Record Keeping:

Individual records of all animals being transported into and out of the CBR2 facility must be maintained that (1) describe the dates transport occurred; (2) document times the animals were removed, then returned; (3) document the procedures that occurred during the transport; (4) document the anesthetics used during these procedures; and (5) document the health status of the animals being studied prior to being returned to the facility.

# Center for Biomedical Research - UND

## CBR2 Animal Transport Records

Date of procedure: \_\_\_\_\_

Protocol Number: \_\_\_\_\_

Animal ID: \_\_\_\_\_

Cage Bar Code: \_\_\_\_\_

Description of Procedure:

Transport:

Date	Time (Out)	Time (Return)	Procedure	Anesthetic	Health Status	Initials

Health Status:

Assessments taken:  temperature  heart rate  respiration rate  anesthetic depth

Other form of assessment:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Frequency of assessments conducted within individual surgery:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_