



Dartmouth College

Animal Care and Use Program

Institutional Animal Care and Use Committee

IACUC Policies and Procedures

Title: The Use of Material Derived From Human Tissue or Fluids in Animals

Purpose: To establish guidelines for handling animals that have been injected with human derived materials

Policy: Animals that have been injected with any human derived material must be handled using Animal Biological Safety Level 2 (ABSL2) Practices and Procedures. Human derived materials include human blood, body fluids, preparations from tumors, tissues other potentially infectious materials. ABSL2 practices and procedures are to be used whenever agents associated with human disease are (or may be) present.

Background: The CDC/NIH Publication Biosafety in Microbiological and Biomedical Laboratories outlines the requirements for ABSL2 (most recent edition). Copies are available through the ARC or EHS.

Procedures:

- All use of human material in animals must be adequately detailed in the Animal Subjects Review Form and approved by Environmental Health and Safety.
- Handling of animals, supplies and equipment that have come into contact with these animals will be done using ABSL2 practices and procedures. At a minimum, this will include the following personal protective equipment (PPE): gown, gloves, mask with acetate face shield (or mask and goggles). In some circumstances, depending on the hood used and technique of the person performing the procedures, it may not be necessary to wear the acetate face shield. This will be approved on a case-by-case basis.
- Other PPE consistent with the area of the facility may also be required such as shoe covers and bouffant cap.
- Cages that contain animals that have been injected with human material will be labeled with a biohazard sticker with the hazardous agent identified. For example, "human blood" or "human tumor derived cells". The same labeling must also be on the animal room door.
- If animals are received which have been injected with human material, the above procedures still apply.