

Chemical Safety Form for work with Hazardous Substances in Animals

You must first submit the following questionnaire to the DFCI Institutional Animal Care and Use Committee involving experiments where potentially hazardous chemicals will be used. This is required so that an evaluation of the specific chemicals involved can be done, with special consideration of associated hazards to you and your staff as well as to the Animal Research Facility (ARF) staff.

Investigators must also complete a separate ARF [Toxic Chemical Hazard Form](#) and submit the form to the ARF at least 2 business days prior to beginning animal studies. This applies at the beginning of each new dosing schedule.

Instructions

Search the [Hazardous Chemical Risk Chart](#) for the chemical name.

- **Class 0:** A Chemical Safety Form is not required
- **Class 1, 2, or 3:** A Chemical Safety Form is required (multiple chemicals can be grouped on the same form)
- **If the chemical is not listed:** A Chemical Safety Form is required *unless* it falls under following categories:
 - Monoclonal antibodies (**except** when conjugated to class 2 or 3 chemical)
 - Native or recombinant proteins derived from non-pathogenic species (e.g., rodents, chickens, humans)
 - Doxycycline in food or water (an ARF [Toxic Chemical Hazard Form](#) is required)
 - Recombinant biological materials (e.g., shRNA, RNAi, siRNA) or infectious agent must be approved by the DFCI Biohazard Control Committee.
 - Any radioactive material or radiation must be approved by the Radiation Safety Office)

Email completed forms to chemsafety@dfci.harvard.edu for approval

1. What chemical(s) do you intend to use? Please include all synonyms that you know of.

CAS#:

2. Do you have any toxicity information for this material? (e.g. LD50, MTD)

3. What procedures will be done with this reagent and at what concentration?

4. How will the drug be administered?

IV

IP

SubCu

Oral Gavage

Oral in diet

Oral in water

Topical

Other:

5. What effect are you looking to cause in animals, and could it occur in humans?

6. Please list any other possible side effects.

7. What protective clothing or equipment is used during procedures? Please check all that apply
- Gloves Safety Glasses Lab Coat N95 Surgical Mask
- Biosafety Cabinet
8. Where and how will the material be prepared and how will it be transported to the ARF?
9. Are unmetabolized chemical or toxic metabolites of the chemical expected in the excreted urine/feces or animal carcasses?
10. In the event of an accidental spill, once the spilled material is removed, how will the surface be cleaned to ensure no hazardous residual is left behind? Please check all that apply
- 70% Ethanol 5-10% Bleach Soap and Water
- Other: please specify
11. If there is a Standard Operating Procedure that describes the use of this material, please include it, and if this material is classified in class 2 or 3, you will be asked to produce one (per [SOP BL002](#)).
12. Who will be working with the reagent?

For EH&S Use Only:

Status: Approved Denied **Safety Office** **Date:**

Dosing Chemical Class: Class 0 Class1 Class 2 Class 3

Husbandry Chemical Class: Class 0 Class 1 Class 2 Class 3

Notes