

Use of Complete Freund's Adjuvant

Purpose:

To provide guidance for the use of Complete Freund's Adjuvant (CFA) in the laboratory and animal facility environment. CFA is commonly used in research at UW-Madison in autoimmune disease models.

Precautions:

The following information can be used to complete the Safety section of your animal protocol.

1. Chemical hazard agents – (Identify the category of the chemical): (*Select the following*)
 - Irritant (respiratory, skin, eye)
2. Containment preparation – (Containment equipment required for the preparation of the chemical): (*Select the following*)
 - Fume Hood
3. Containment animals – (Containment equipment required for chemical administration and handling animals after exposure to the chemical): (*Select the following*)
 - No special containment needed.
4. PPE needed - (for handling live animals, carcasses or animal waste/dirty bedding): (*Select the following*)
 - Exam gloves – nitrile
 - Safety glasses/goggles
 - Lab coat or disposable gown
5. Waste Disposal: (disposal of animal waste/dirty bedding from animals after exposure to the chemical) (*Select the following*)
 - No special precautions needed
6. Carcass disposal: (*Select the following*)
 - Pick up by EH&S for incineration.
7. Chemical human risk: (*Add the following*)
 - CFA causes serious eye irritation. It may also cause allergy or asthma symptoms or breathing difficulties if inhaled. Direct contact may also cause skin irritation.

References:

“NIH Animal Research Advisory Committee Guidelines for the Use of Adjuvants in Research”

https://oacu.oir.nih.gov/system/files/media/file/2022-04/b8_adjuvants.pdf

“Complete Freund’s Adjuvant SDS”

<https://www.sigmaaldrich.com/US/en/sds/SIGMA/F5881>