

Chemical Compounds in Animals

Description

The University of Florida requires the Chemical Hygiene Program for all UF employees and affiliates (students, volunteers, contractors, etc.) who work with chemicals in laboratory settings, including animal research areas.

- It is the responsibility of the investigator to notify research personnel and ACS staff of any hazards and SOPs required to handle animals exposed to chemical hazards.
- Investigators are required to report the use of chemical hazards in animals in their IACUC protocol.
- During the protocol development/review phase, a risk assessment of each chemical hazard is conducted by the research staff, EH&S, IACUC, and the ACS veterinary staff.
- When working with chemicals, occupational health risks for both research and animal care staff arise from:
 - Toxicity, half-life and metabolic byproducts of the compound
 - Methods of preparation
 - Concentration and method of administration
 - Amount of material excreted
- **Chemical Hazards:** Follow the EH&S Guidelines for SOPs to create a [Chemicals in Animals SOP](#) using the manufacturer's SDS and literature. This is used to complete your IACUC Protocol.
- **Novel Compounds:** the following information should be addressed within the IACUC Protocol and SOP:
 - Description of the parent, or closely related compound(s).
 - Current toxicity and pharmacokinetic data, if available.
- **Nanoparticles:** Additional considerations for nanoparticle use in animals must be taken into consideration, appropriate precautions should be outlined in your IACUC protocol. Review the EH&S [Nanoparticle Safety Guidance](#) for more information.