CHEMICAL HAZARDS

Network of Laboratory Animal Coordinators
Summer Session

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Division of Laboratory Animal Medicine
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Introduction

- ALL hazardous chemicals and biologic agents used in animals must be documented in an IACUC approved protocol
- The PI is responsible for evaluating any potential risks of exposure to lab and animal husbandry staff
Routes of Administration

- **Oral**: substance taken through the mouth
  - Feed/Water
  - Gavage: substance given directly into the stomach or esophagus using a tube or dosing needle

- **Parenteral**: injection of drug into the body other than through the digestive tract
  - Subcutaneous, intravenous, intraperitoneal, etc

- **Topical**: drug or chemical applied directly on to skin, fur, eyes, or ears
Chemical Hazard Cage Identifications

**CHEMICAL HAZARD**

Chemical Agent: 
________________________
P.I.______________________
Cage Card #: ____________
Route of Administration (Please Circle):
  - Parenteral
  - Oral
    - Feed
    - Water
    - Gavage
  - Topical
Date: ________________
______________________

**CHEMICAL HAZARD**

DATE OF LAST DOSE:
______________________
Chemical Agent: 
______________________
P.I.______________________
Cage Card #: ____________
Route of Administration (Please Circle):
  - Parenteral
  - Oral
    - Feed
    - Water
    - Gavage
  - Topical
“Chemical Hazard” Cage Card

- Place the yellow “Chemical Hazard” card on each cage after dosing animals
  - Research staff
- Document chemical agent
- Each time an animal is dosed, the date should be written on the yellow card
- Supplied by DLAM
“Chemical Hazard Last Dose” Cage Card

- Once the last dose has been administered, research personnel should replace the yellow “Chemical Hazard” card with a lime green “Chemical Hazard Last Dose” card
- If the first dose is the last dose, the “Chemical Hazard Last Dose” can be used instead of the yellow card
- Supplied by DLAM
New “Biohazard” Cards to come!

- Use for administration of infectious agents such as bacteria, viruses, human tumors or cell lines that may be hazardous to research or animal care personnel
Investigator Health Monitoring Cards

- Purple “Investigator Health Monitoring” cards used as a means of communication between DLAM and research staff
  - Post-procedure, surgical manipulation, or any other technique that may cause more than momentary pain and/or distress

- Place the “Investigator Health Monitoring” card in the front of the cage card holder after placing animals back onto the rack
## Investigator Health Monitoring

<table>
<thead>
<tr>
<th>Protocol #</th>
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<td>PI</td>
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<tr>
<td>Bldg &amp; Room</td>
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<td>Contact Person</td>
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<td>Lab Phone #</td>
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<td>Emergency 24 Hour Phone</td>
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**Details of Monitoring Performed by the Investigator:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Cage ID</th>
<th>Procedure Performed</th>
<th>Animal’s Condition</th>
<th>Initials</th>
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Lab-Specific Health Monitoring

- Upon request, DLAM is available to design health monitoring cards specific to your protocol
- Example:
  - EAE Scoring

<table>
<thead>
<tr>
<th>Date</th>
<th>AM/PM</th>
<th>Highest * Clinical Score</th>
<th>Wet Food</th>
<th>SQ Fluids / # of mice</th>
<th>Initials</th>
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* OK = Clinical Score Less Than 3
Thank you!