eIACUC Submission Form Changes for 4/5/19 Solution Update
OVERVIEW

The eIACUC software upgrade scheduled for Production on 4/5/19 introduces a number of refinements to the eIACUC solution designed to reduce redundancy, increase functionality and improve the user experience. Many of the changes were directly related to the eIACUC submission form. There were also refinements to other software components to improve system workflow and reviewer experience. This presentation presents only those upgrades related specifically to the eIACUC submission form. If you would like more information on other system refinements, please contact the IACUC office.

The following slides illustrate the submission form changes made to the new version. If you have questions or concerns please contact the IACUC office for assistance.
Changes:
Reorganization of roles by category as shown

Breaking out of euthanasia duties by type to clarify training requirements

Addition of new roles to identify individuals who will require specific training either prior to protocol approval (“new to animal species on protocol”) or post-approval (“Surgeon in training” and “Euthanasia-Training in physical methods”). Addition of these new roles is designed to decrease confusion regarding training requirements, and increase efficiency and documentation of required training.
Changes:
Under the pop-up screen for the funding sources the following changes were made:

Question 3: Clarification regarding the internal billing code. For sponsored awards (external funding) the EPEX number is required. This number should be assigned to the grant when submitted. For internal funding (i.e. departmental funding) the speed type should be used

Question 7 (NEW): “Funding Status of the Award (Submitted/Pending/JIT/Active)“. This question was added in the pop-up and also brought forward to the main screen (see above) to allow the research lab to add details with respect to funding status and deadlines for award
### Changes

**Variable procedures questions removed**

**Variable procedures moved under common procedures (see red boxes in example)**

**Variable Description moved under the “Procedure Timing” Question (question 6) (not shown in this view)**

**Housing Conditions types visualized on the main page in the new version (question 8)**

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#### Current version

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>USDA Count Pain Category</th>
<th>Common Procedures</th>
<th>Variable Procedures</th>
<th>Variable Description</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Euthanasia, Exsanguination-Mice (Standard)</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Substance Administration: 2,2,2-trifluoroethanol anesthesia (Team)</td>
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<td></td>
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<td></td>
<td>Substance Administration: Intranasal infection with mouse adapted influenza and parainfluenza viruses (Team)</td>
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<td></td>
<td>Substance Administration: Isoflurane anesthesia, ver. 1 (Team)</td>
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<td></td>
<td>Substance Administration: Adenovirus vector vaccination, ver. 1 (Team)</td>
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<td></td>
</tr>
</tbody>
</table>

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#### New version

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>USDA Count Pain Category</th>
<th>Common Procedures</th>
<th>Husbandry Exceptions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Euthanasia, Exsanguination-Mice (Standard)</td>
<td>BSL2 Housing</td>
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<td>Sterile housing</td>
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<td>Substance Administration: Isoflurane anesthesia (Team)</td>
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<tr>
<td></td>
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<td></td>
<td>Substance Administration: Adenovirus vector vaccination (Team)</td>
<td></td>
</tr>
</tbody>
</table>

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Investigate approaches to prolong lung TRM lifespan by prime-boost vaccination strategies

Rodent: Mouse no 1500

The variables of the experiment include the number of boosting infections, the route of boosting infection (intranasal versus intramuscular), and whether mice will be challenged to assess protective immunity.
Changes:

NOTE: These changes will be evident for all procedure types (universal field)

Revision of text in question 4 to provide greater clarity in regard to what constitutes more than momentary pain or distress and to separate out unrelieved pain and stress into its own question

Revision of text in question 5 to reduce redundancy if monitoring plans are already described

Clarification to instructions
Changes:
Revised text in questions 1 and 3 (page 2 of the procedure form) to provide further instruction and increased clarity

Removed original questions 6, 7 to reduce redundancy and streamline submission

Clarification to instructions
Clarification to instructions
Removal of redundant questions
FOOD OR FLUID RESTRICTION PROCEDURE

Current version

Food or Fluid Restriction

1. *Restrictions:
   Fluid
2. *How many hours will the food/fluid be restricted:
   2016

New version

Food or Fluid Restriction

1. *Restrictions:
   - Fluid
   - Food
2. *Indicate the length of time food/fluid will be regulated:
   3 weeks

Changes:
Revised text in question 2 (page 2 of the procedure form) to allow for greater freedom of response. Original question only allowed for a numerical value. Revised field allows alphanumerical text.
Changes:
Language changes in question 1,2 to provide clarity. NOTE: Strains which are not indicated to have adverse phenotypes prior to specific experimental manipulation do not need to be indicated here.

Pop-up Question 4: Added to the main page view to provide clarity for review.
Changes:
Reorganized main page table view to provide clarity and ease of submission/review.

Revised text in question 1 to provide further instruction and increased clarity

Added questions 3,4 to provide required information in a clearer format to streamline review.

### Alternatives

1. Record all searches for alternatives for each procedure that causes pain or distress, even if relieved. Click on the +Add icon to populate the table with your procedures identified as having pain and/or stress and answer the series of questions that follow:

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Search Date</th>
<th>Database Keywords</th>
<th>Search Period Start Date</th>
<th>Search Period End Date</th>
</tr>
</thead>
</table>

2. Identify any other references used to find alternatives: (such as periodicals, publications, and consultation)

   No Change From Previous version

3. Please summarize findings and if alternatives exist but will not be used, provide scientific justification as to why not:

   NEW QUESTION

4. Provide a narrative of appropriate length detailing how the principles of Reduction of animal use and Refinement of experimental methods have been incorporated into the conduct of the research:

   NEW QUESTION
Changes:
- Reorganized the main page table view to provide clarity and ease of submission/review.
- Added question 4 in the pop-up to provide summary statement regarding duplication search.
- Streamlines review
5. Justify why the animals must be removed from the vivarium. Note: specific justification must be provided if animals are kept in this space for greater than 12 hours (for Act-species animals), or greater than 24 hours (for non-Act species):

Changes:
Added further instructive language in the pop-up question 5 to provide increased information for how to address the question.
BREEDING PAGE

Current version

For Emory specific guidance on Breeding, click here.

Breeding

1. * Describe the objectives and justifications for this breeding activity:

2. * Describe the methods you will use to identify offspring and to collect tissues for genotyping:

Changes:
Removed Question 1 to reduce redundancy and increase ease and clarity of protocol submission. All remaining questions renumbered.
Changes:
Added field for Original Protocol Approval Date. Approval Date indicates last approved version including any annual review or approved amendment.
Changes:
Addition of a checklist to assist both research staff and IACUC to ensure proper review and update of protocols at time of required annual review. Note this only applies to ACT-species protocols and those covered by selected entities such as Department of Defense.