

Animal Disposition

- 1) Euthanasia methods are described in this section of the protocol.
 - a. Even if animals studied in the field will only be observed or will be released, you must include an appropriate method of euthanasia that could be used in the event of an emergency.
- 2) Please refer to the ACUC [Euthanasia Guidelines](https://acuc.berkeley.edu/guidelines/euthanasia.pdf) found on the ACUC web site, <https://acuc.berkeley.edu/guidelines/euthanasia.pdf>.

NOTE: Following euthanasia and prior to carcass disposal, an additional secondary physical means of euthanasia must be performed.

- 3) To add a method of euthanasia, click on the **Add** button.
- 4) If animals are transferred or adopted and euthanasia is NOT the final disposition, please select **Add** and provide detailed information under **Change in Animal Ownership**. (Transfer of naïve animals does not need to be captured under 'Change in Ownership', but that transfer of animals that have already undergone procedures must be described in this section).

NOTE:

1. Please list and describe euthanasia methods for ova, larvae and/or embryos as applicable.
2. For ACUC-approved descriptions of common euthanasia methods that you can copy into your protocol, please go the [PI Resources section of the OLAC website](#).

NOTE: For ACUC-approved descriptions of common euthanasia methods that you can copy into your protocol, please go the [PI Resources section of the OLAC website](#).

Please consult the [ACUC Euthanasia Guidelines](#). Physical methods of euthanasia must be performed under anesthesia. Following euthanasia and prior to carcass disposal, an additional physical means of ensuring euthanasia must be performed. These physical methods vary by species but may include cervical dislocation for small rodents, bilateral thoracotomy, decapitation, exsanguination, double pithing for amphibians and reptiles, freezing for small ectotherms, or another AVMA-approved method. These must occur after the animal has been rendered non-responsive to noxious stimuli by the primary euthanasia agent.

If some animals under this AUP will not be euthanized but may be transferred to another PI or adopted out as a pet, you must still complete the euthanasia table and identify that for the specie/s under method of euthanasia that there is none (i.e. no euthanasia of some animals). In which case, you must complete the additional table below regarding Change in Ownership of said animal/s to describe the disposition of those animals.

Euthanasia	Add Delete
Please click on 'Add' to add method(s) of Euthanasia	

Provide specific details for carcass disposal.

Click **Add** to describe euthanasia methods for each species.

Conditional on veterinary approval, animals may be eligible for changes in ownership such as adoption or transfer to another PI. Please consult the ACUC [Change in Ownership Policy](#) and/or the [Adoption Policy](#) for details.

Change of Ownership	Add Delete
Please click on Add to add Change of Ownership	

Click **Add** to describe change in ownership.

- 5) On the **Euthanasia** pop-up window, select the **Species** includes all species added in the Species section of the

Note: * denotes mandatory field.

Euthanasia		Save Cancel
Species *	Mouse, Laboratory (OLAC Vivarium)	
Method of Euthanasia: Primary *	Carbon Dioxide	
Route of Administration *	Inhalation (IN)	
Dosage (in mg/kg if possible) and volume	dosage	
Method of Euthanasia: Secondary	Cervical Dislocation	
Briefly describe the euthanasia procedure	Mice from one cage will be placed in the CO2 euthanasia chamber equipped with a lid. CO2 is delivered via a compressed gas cylinder equipped with a flow regulator at a displacement rate of 10-30%. After a minimum of 6 minutes exposure, animals will be removed and a cervical dislocation will be performed to verify death.	

Complete:

- Species
- Primary Method
- Route
- Dosage & Volume
- Secondary Method
- Brief Description

Click **Save** to add the euthanasia method to the Animal Disposition section.

- a. A euthanasia method must be added for each species listed on the protocol. If you are using more than one species, you must add separate euthanasia methods for each species.
 - b. If you are euthanizing one species using multiple different methods, you must add separate euthanasia methods, selecting the same species.
- 6) Select the **Primary Method of Euthanasia** from the drop-down list or select **Other** and describe the method of euthanasia.

None may also be selected from the drop-down list when euthanasia is **not** the final disposition for animals listed in the protocol (i.e. a change in animal ownership). If this option is selected, a description of the proposed final disposition must be provided.

- a. If you have selected a physical method of euthanasia as the **Primary Method** (e.g., cervical dislocation or decapitation), you will be asked to provide anesthesia information, or for scientific justification if no anesthesia is provided.

Note: * denotes mandatory field.

Euthanasia		Save	Cancel
Species *	Mouse, Laboratory (OLAC Vivarium)		
Method of Euthanasia: Primary *	Decapitation		
Will the animal be anesthetized or sedated?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Agent Name *	Isoflurane		
Route of Administration *	Inhalation (IN)		
Dosage (in mg/kg if possible) and volume	dosage		
Method of Euthanasia: Secondary	None		
Briefly describe the euthanasia procedure			

For physical methods of primary euthanasia, describe anesthesia provided.

Note: * denotes mandatory field.

Euthanasia		Save	Cancel
Species *	Mouse, Laboratory (OLAC Vivarium)		
Method of Euthanasia: Primary *	Decapitation		
Will the animal be anesthetized or sedated?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Dosage (in mg/kg if possible) and volume			
Justify this method and how the welfare of the animal will be protected *			
Method of Euthanasia: Secondary	None		
Briefly describe the euthanasia procedure			

If animals will not be sedated, a scientific justification must be provided.

- 7) Select the **Route of Administration** for the Primary Method of Euthanasia from the drop-down list or select **Other** and describe.
- 8) Provide the **Dosage**, in mg/kg if possible, and **Volume**.
- 9) Select the **Secondary Method of Euthanasia** from the drop-down list.

- a. If have chosen a physical method of euthanasia as the Primary Method (e.g., cervical dislocation or decapitation), you do not need to provide a Secondary Method of Euthanasia; select **None**.
- 10) Provide a brief description for each method of euthanasia. This should include the sequence and timing of events, and any special equipment settings or maintenance.
- 11) Once you complete the Euthanasia pop-up window, click on **Save**, and a summary will be added to the Animal Disposition page.
- 12) To edit a euthanasia method listed, click on the **Species link** for that method. This will open the Euthanasia pop-up window.
- 13) To delete a euthanasia method listed, click on the box next to that method and select **Delete**.

The screenshot shows the 'Animal Disposition' tab in the IACUC Research system. The page header includes 'IACUC - Research', 'Protocol ID: 14-07-3748 (EMP-FACULTY TEST)', and a 'Protocol Title' field. A sidebar on the left lists various sections: Personnel Information, Species, Are You Using?, Funding Sources, Protocol Information, Rationale, Procedures, Alternative Search, Procedure Relationships, Husbandry, Animal Disposition (selected), and Attachments. The main content area has tabs for Rationale, Procedures, Alternative Search, Proc..., Husbandry, Animal Disposition, and Attachments. A text box above the table says 'Please consult the [ACUC Euthanasia Guidelines](#). Following euthanasia and prior to carcass disposal, an additional physical means of ensuring euthanasia must be performed.' Below this is an 'Euthanasia' table with columns: Species, Primary euthanasia method, Route of Administration, Dosage mg/kg (if possible), and Secondary euthanasia method. The table contains two entries for 'Mouse (OLAC Vivarium)'. Annotations with red arrows point to specific elements: 'Click **Next** to save and go to the next Procedure Details tab.' points to the 'Next' button; 'Click **Species Link** to edit.' points to the 'Mouse (OLAC Vivarium)' link in the first row; 'To delete, select the box next to the method and **Delete**.' points to the 'Delete' button in the table header.

Click **Next** to save and go to the next Procedure Details tab.

Click **Species Link** to edit.

To delete, select the box next to the method and **Delete**.

Species	Primary euthanasia method	Route of Administration	Dosage mg/kg (if possible)	Secondary euthanasia method
<input type="checkbox"/> Mouse (OLAC Vivarium)	Carbon Dioxide	Inhalation (IN)	dosage	Cervical Dislocation
<input type="checkbox"/> Mouse (OLAC Vivarium)	Decapitation	Intramuscularly (IM)	dosage	None

- 14) Provide specific details for carcass disposal, including the disposal of fish and amphibian reproductive tissue
- 15) Once you complete the section, click on **Next** to go to the next Procedure Details Tab.