# **Standard Procedure Data Input Form**

## **Procedure Type**: Euthanasia

# **\* Name of the procedure or surgery**:Carbon Dioxide (CO2) Euthanasia in Mice and Rats > 14 days of age

**\* Species**: Rats, Mice

**\* Will administering this procedure cause any more than momentary pain and distress? No**

 *If yes,*

 i. Identify expected symptoms from administering this procedure (for example: weight loss, develop lesions due to an open tumor):

 ii. Identify criteria under which animals will be removed from research:

**\* Method of euthanasia: Chemical - Inhalant**

**Describe Procedure:**

1. No more than 5 adult mice in a small cage, 12 adult mice in a large cage or 2 adult rats will be placed in their respective shoebox cages.
2. Only one species at a time will be placed in the chambers.
3. Whenever possible, animals will remain in their home cages for euthanasia and not be mixed with unfamiliar animals.
4. Animals will be euthanized as cohorts. This means that live animals will never be placed in a chamber or cage with dead animals.
5. All personnel will follow the TeACS SOP “Carbon Dioxide (CO2) Euthanasia in Mice and Rats“.
6. All personnel performing euthanasia will be trained and assessed on the method.
7. All rodents will be euthanized by this method using the Euthanasia “Smartbox” carbon dioxide controller in Streisinger, Rm 154 or LISB, Room 155.

**Describe how death will be confirmed:**

Physical examination, observation of lack of respiration and palpation of the heart.

**If animals will be anesthetized prior to euthanasia, select the substance administration procedures to be used:**

**Alternatively, if you cannot find the procedures in the list above, describe each substance and the step-by-step procedure to be used:** (include route, dose, volume, concentration, and whether substance is pharmaceutical grade):

***Attach any supporting documents as appendices to this document.***