**Perinatal Injection Endpoint Determination**

Days 0-7 Following injection:

<table>
<thead>
<tr>
<th>Rating</th>
<th>0</th>
<th>1</th>
<th>2</th>
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</thead>
</table>
| Physical Experience | - pink skin color  
- visible milk spot  
- visible movement when cage disturbed | - little movement  
- no visible milk spot | - grey skin color  
- no movement when cage disturbed |

Rating of 1: Recheck cage within 6 hours

Rating of 2: Remove pup from study and euthanize

**Monitoring from Day 7 until Experimental Endpoint:**

<table>
<thead>
<tr>
<th>Rating</th>
<th>0</th>
<th>1</th>
<th>2</th>
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</thead>
</table>
| Physical Appearance | - body condition 3-3.5  
- clear eyes (once open)  
- fur normal  
- no abrasions | - body condition 2.5 or  
4  
- minor abrasions  
- secretions from eyes  
- redness or swelling of limbs | - body condition >4 or  
<2  
- severe skin wound |
| Measurable clinical Signs/Behaviour | - Normal respiration rate  
- Normal posture and movement | - Increased or decreased respiration rate.  
- coughing or sneezing  
- abnormal posture (hunched, limping) | - Gasping  
- Loss of equilibrium  
- Unwilling to move |
| Body Weight | -within 15% expected weight | - >15% weight difference from expected | - > 20% weight difference in spite of humane intervention |

Scores 1 in 1 or more category: contact ACS staff and determine appropriate humane intervention

Scores 2 in 1 or more category: contact ACS staff, remove mouse from study and euthanize
Example endpoint reference

BC 1
Mouse is emaciated.
- Skeletal structure extremely prominent;
  little or no flesh cover.
- Vertebrae distinctly segmented.

BC 2
Mouse is underconditioned.
- Segmentation of vertebral column evident.
- Dorsal pelvic bones are readily palpable.

BC 3
Mouse is well-conditioned.
- Vertebrae and dorsal pelvis not prominent;
  palpable with slight pressure.

BC 4
Mouse is overconditioned.
- Spine is a continuous column.
- Vertebrae palpable only with firm pressure.

BC 5
Mouse is obese.
- Mouse is smooth and bulky.
- Bone structure disappears under flesh and subcutaneous fat.

A "+" or a "-" can be added to the body condition score if additional increments are necessary (i.e., 2-, 2, 2+...)

Figure 1. Line drawings and descriptions of body-condition (BC) scoring.