Mouse Tumor Scoring

- 1. Appearance and Body Condition Score (BCS):
 - a. BCS of 3: Normal; Score=0.
 - b. BCS of 3: poor hair coat, decreased activity, normal posture and mobility; Score=2.
 - c. BCS of 2: poor hair coat, decreased activity or hunched posture; Score=3.
 - d. BCS of 1: poor hair coat, severe lethargy; Score=6.
 - e. Moribund and/or severe cachexia; Score=19.
- 2. Tumor & degree of necrosis or ulceration (degree of ulceration to be determined by DLAM staff):
 - a. Tumor \leq 7mm in any dimension; Score=0.
 - b. Tumor \leq 7mm in any dimension with minor ulceration; Score=4.
 - c. Tumor 7-17mm in any dimension; Score=9.
 - d. Tumor \geq 18mm in any dimension, or abdominal distention; Score=12.
 - e. Tumor \geq 20mm in any dimension; Score=14.
- 3. Bodyweight Change (for growing animals subtract percent deviation from normal growth pattern).
 - a. No change from pre-tumor weight; Score=0.
 - b. Weight loss of 5-10%, or gain of 5%; Score=9.
 - c. Weight loss of 10-15%, or gain of 6-9%; Score=12.
 - d. Weight loss of > 15%, or gain of > 10%; Score=15.
 - e. Weight loss of > 25%; Score=18.

BC1

Mouse is emaciated

- Segmentation of vertebral column prominent if not visible.
- Little or no flesh cover over dorsal pelvis.
 Pins prominent if not visible.
- · Segmentation of caudal vertebrae prominent.

BC2

Mouse is under conditioned

- Segmentation of vertebral column prominent.
- Thin flesh cover over dorsal pelvis, little subcutaneous fat. Pins easily palpable.
- Thin flesh cover over caudal vertebrae, segmentation palpable with slight pressure.



Mouse is well conditioned

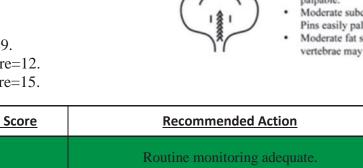
- Segmentation of vertebral column easily palpable.
- Moderate subcutaneous fat store over pelvis. Pins easily palpable with slight pressure.
- Moderate fat store around tail base, caudal vertebrae may be palpable but not segmented.



Cumulative Score	Recommended Action
0-7	Routine monitoring adequate.
8-13	Routine monitoring adequate. Consider supportive therapy such as fluid administration and easy access to food.
14-17	Contact lab animal personnel to discuss action plan. Euthanasia is likely and should be considered.
>17	Contact lab animal personnel to discuss action plan. Euthanasia is warranted.

Rat Tumor Scoring

- 1. Appearance and Body Condition Score (BCS):
 - a. BCS of 3: Normal: Score=0.
 - b. BCS of 3: poor hair coat, decreased activity, normal posture and mobility; Score=2.
 - c. BCS of 2: poor hair coat, decreased activity or hunched posture;
 - d. BCS of 1: poor hair coat, severe lethargy; Score=6.
 - e. Moribund and/or severe cachexia; Score=19.
- 2. Tumor & degree of necrosis or ulceration (degree of ulceration to be determined by DLAM staff):
 - a. Tumor \leq 20mm in any dimension; Score=0.
 - b. Tumor \leq 20mm in any dimension with minor ulceration; Score=4.
 - c. Tumor 20-34mm in any dimension; Score=9.
 - d. Tumor \geq 35mm in any dimension, or abdominal distention; Score=12.
 - e. Tumor \geq 40mm in any dimension; Score=14.
- 3. Bodyweight Change (for growing animals subtract percent deviation from normal growth pattern).
 - a. No change from pre-tumor weight; Score=0.
 - b. Weight loss of 5-10%, or gain of 5%; Score=9.
 - c. Weight loss of 10-15%, or gain of 6-9%; Score=12.
 - d. Weight loss of > 15%, or gain of > 10%; Score=15.
 - e. Weight loss of > 25%; Score=18.





BC 1

Rat is emaciated

- Segmentation of vertebral column prominent
- Little or no flesh cover over dorsal pelvis. Pins prominent if not visible.
- Segmentation of caudal vertebrae prominent.



BC 2

Rat is under conditioned

- Segmentation of vertebral column prominent.
 - Thin flesh cover over dorsal pelvis, little subcutaneous fat. Pins easily palpable.
- Thin flesh cover over caudal vertebrae, segmentation palpable with slight pressure.



BC 3

Rat is well-conditioned

- Segmentation of vertebral column easily
- Moderate subcutaneous fat store over pelvis. Pins easily palpable with slight pressure.
- Moderate fat store around tail base, caudal vertebrae may be palpable but not segmented.

Cumulative Score	Recommended Action
0-7	Routine monitoring adequate.
8-13	Routine monitoring adequate. Consider supportive therapy such as fluid administration and easy access to food.
14-17	Contact lab animal personnel to discuss action plan. Euthanasia is likely and should be considered.
>17	Contact lab animal personnel to discuss action plan. Euthanasia is warranted.