



EMORY
UNIVERSITY

Research Compliance and Regulatory Affairs
Research Administration
Institutional Animal Care and Use Committee

IACUC UPDATES

ANIMAL CARE AND USE COMMITTEE (IACUC)

IACUC OFFICE

WHAT IS NEW WITH THE IACUC THIS MONTH?

- The IACUC is doing site inspections of animal facilities and PI-managed spaces
 - **Read** the emails from the IACUC Office to prepare for the site inspections
 - The most frequent findings continue to be:
 - Missing or incomplete monitoring logs (tumor burden, food or water restrictions, post procedures)
 - Use of expired drugs in animals - **read the label of your drugs**
- The Site Inspection schedule and checklist can be found here:
 - <https://emory.sharepoint.com/sites/eIACUC/SitePages/FAQs.aspx#when-is-my-iacuc-site-inspection-see-the-schedule-for-the-iacuc-semiannual-site-inspections-from-december-2023-to-may-2024>

ARE THERE ANY ALERTS?



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IACUC ALERT TO THE RESEARCH COMMUNITY

Xylazine may have a 30-day use limit

This alert is being issued to make the researchers aware of certain manufacturers' new label specification indicating that xylazine must be discarded **30 days** after opening/needle puncture or after 20 punctures (whichever comes first).

IMPORTANT: The user should write on the bottle the date of the first puncture.

Researchers need to check the label of the xylazine vial to see if the manufacturer has the 30-day or 20 punctures use limit.

Using this product beyond 30 days or 20 punctures will constitute a noncompliance event due to an IACUC policy violation including use of expired materials in animal subjects.



Example of product with the 30-day or 20 puncture limit

Peripheral TBS Monitoring Log

[PI Name] Lab Tumor Monitoring Logs

Protocol Number: _____

Name(s) of Person(s) Performing Monitoring: _____

Email or Phone: _____

Date	Animal ID	Weight (g)	Body Condition Score	Tumor Length (mm)	Tumor Width (mm)	Tumor Volume (mm ³)	Tumor Ulceration	Mobility	Total TBS	Comments & Initials
- - -	- - -	- - -	-- TBS	- - -	TBS	- - -	TBS	TBS	- - -	- - - - - - - -
			0 1 3		0 1 3		0 1 3	0 1 3		
			0 1 3		0 1 3		0 1 3	0 1 3		
			0 1 3		0 1 3		0 1 3	0 1 3		

Protocol Description

When the xenograft tumors appear, the animals will be monitored daily by observation for normal eating, drinking, and movement. If minor infection occurs, mice will be treated with antibiotic per consultation with DAR. Body condition score will be another indicator of well-being in addition to the weight if tumors are contributing to weight. The critical point should be the confluence of tumor size, body weight and/or body condition score. Any body condition score close to 3, tumor size above 1.8 cm in diameter, or when metastases are likely, and weight loss > 15%, will result in daily weights and increased frequency of observations. In mice bearing oral tumors, we don't expect mice to develop difficulties eating/drinking and will terminate the experiment when these occur immediately.

Non- Peripheral TBS Monitoring Log

[PI Name] Lab - Tumor Scoring Template for Non-peripheral Tumors

Protocol Number: _____ Name(s) of Person(s) Performing Monitoring: _____

Date training for scoring tumors*: _____ Email or Phone: _____

Date	Animal ID	Weight (g)	Activity Level	Body Condition	Coat	Dehydration	Hunched Posture	Respiration	PAAM	Comments & Initials
			Normal Lethargic Inactive	Normal Thin Emaciated	Normal Ruffled Poor	Normal Mild Severe	Normal Mild Severe	Normal Fast Fast + Labored	Normal Mild Pronounced (+)	
			Normal Lethargic Inactive	Normal Thin Emaciated	Normal Ruffled Poor	Normal Mild Severe	Normal Mild Severe	Normal Fast Fast + Labored	Normal Mild Pronounced (+)	

Protocol Description

For orthotopic lung tumor models, mice will be monitored and health scored as outlined by IACUC policy 304. The Pulmonary Assessment of Advanced Metastasis (PAAM) technique will be utilized twice per week after tumor inoculation, and then daily after the mouse has a confirmed lesion via cone-beam CT imaging (completed in collaboration with the CAM Core Facility). After a positive PAAM assessment, the mouse will be euthanized within 48 hours as outlined by IACUC policy 304.4.

Review Endpoints & Take Action

Cumulative Score	Appropriate Action
0	Lab personnel must assess general health and tumor progression, and document TBS once per week.
1	Supportive care may be required. Lab personnel must assess general health and tumor progression, and document TBS 2-3 times per week.
2	Euthanasia may be required. Lab personnel must assess general health and tumor progression and document TBS daily.
≥ 3	Euthanasia is mandatory.

Training on how to use the Tumor Burden Scoring logs is available from the DAR Training Group (dartm@emory.edu).

WHAT RESOURCES ARE NEW?

- Surgeons: We have an example of the completed surgery log:
 - https://rcra.emory.edu/_includes/documents/sections/iacuc/forms/example_surgical_log_303_aseptic_survival_surgery_in_rodents.pdf
- Updated CO₂ Euthanasia SOP if you are doing this procedure outside the animal facility
 - https://rcra.emory.edu/_includes/documents/sections/iacuc/forms/dar_template_for_pi_co2euthanasia.pdf

CONTACT THE IACUC OFFICE IF YOU HAVE ANY QUESTIONS

IACUC@EMORY.EDU

[HTTPS://RCRA.EMORY.EDU/IACUC/INDEX.HTML](https://rcra.emory.edu/iacuc/index.html)

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