



Standard Cage Card

Blank cage cards are available in all animal rooms for any staff to use. All spaces must be filled out as completely as possible with **at least** the following: Protocol #, PI and lab contact info, Strain, Source, and any relevant dates (DOB, arrival date, etc.). There is also adequate blank space for applying informative stickers and adding animal identification information.

Protocol # 100521
 PI: Kurth
 Lab Contact: Ashley
 Ph#: 20606
 Strain: BA/B1c
 Sex: ♀ # Per Cage: 2
 DOB: 05-21-20 Arrival/Wean Date: 08-16-20
 ET/Punch #: 123, 456
 Source: Vendor (If not , then in-house bred)

Breeding Cage Card

These cards **must** be placed on any cage of animals that are paired for breeding. The protocol #, PI, and lab contact information must be filled out. There are lines to record the strain, DOB, and ID of each breeder. The chart below provides a great advantage in tracking breeding pairs, cycles, litter sizes, DOBs and wean dates, as well as a comment section for any lab needs.

Breeding Cage Card

Protocol #: 100521 ♀ Strain: C57BL/6
 PI: Kurth ♀ DOB: 2-13-21 ID: 620
 Lab Contact: Ashley ♂ Strain: WT
 Ph #: 20606 ♂ DOB: 2-6-21 ID: 413

#	Breeding Date	DOB	# pups	Wean Date	Comments
1	3-31-21	4-21-21	6	5-12-21	4♀ 2♂

Immunocompromised Cage Card

Orange colored cage cards **must** be used for animals requiring sterile caging. The color brings attention to the importance of ensuring sterility for those animals. These cards require the same information as the standard cage card. Similarly, there is also adequate blank space for applying informative stickers and adding animal identification information.

IMMUNOCOMPROMISED ANIMALS "REQUIRES STERILE CAGING"

Protocol # 100521
 PI: Kurth
 Lab Contact: Ashley
 Ph#: 20606
 Strain: NSG
 Sex: ♀ # Per Cage: 3
 DOB: 05-21-19 Arrival/Wean Date: 07-03-19
 ET/Punch #: 521, 522, 523
 Source: Vendor (If not , then in-house bred)

Immunocompromised Breeding Card

These cards **must** be placed on any cage of animals paired for breeding that require sterile housing. The color at the top portion brings attention to ensuring sterility for those animals. The protocol #, PI, and lab contact information must be filled out. There are lines to record the strain, DOB, and ID of each breeder. The chart below provides a great advantage in tracking breeding pairs, cycles, litter sizes, DOBs and wean dates, as well as a comment section for any lab needs.

Immunocompromised Animals Breeding - Requires Sterile Housing

Protocol #: 101112 Strain: WT
 PI: Root DOB: 1-1-21 ID: R1
 Lab Contact: Jamie Strain: WT
 Ph #: 10603 DOB: 2-3-21 ID: L2

#	Breeding Date	DOB	# pups	Wean Date	Comments
1	3-30-21	4-20-21	10	5-11-21	5♀, 5♂



Expecting/You've got Pups! /Weaning Notice

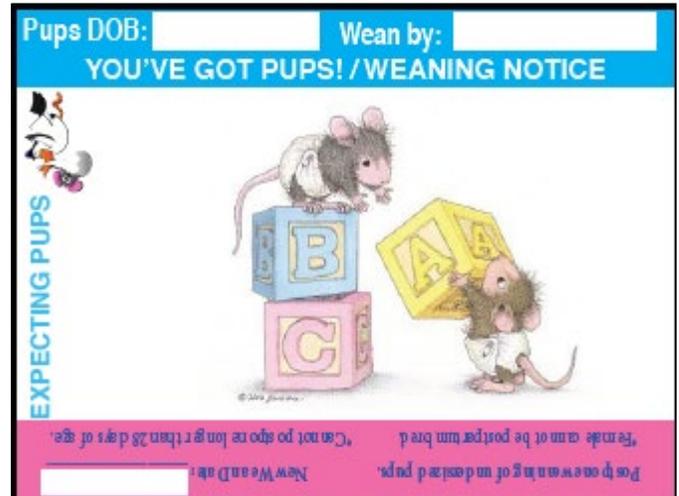
Front of the card:

- When an animal is due to have a litter, this card must be placed, 'Expecting Pups' side up, behind the permanent cage card.
- At time of delivery, the 'DOB' and 'Wean' date must be filled in. In general, the wean date is 21 days after birth. The wean date may be dependent on your protocol.

DLAR is careful not to disturb cages that are expecting pups. In some cases, the DOB may be an estimation.

- An extended wean date may be needed if pups appear undersized. **You cannot extend weaning if the female has been post-partum bred.**
- For labs weaning at 21 days, the labs have up to 3 days following the wean date to wean a litter. If a litter has not been weaned after 3 days, DLAR will wean and charge tech time.

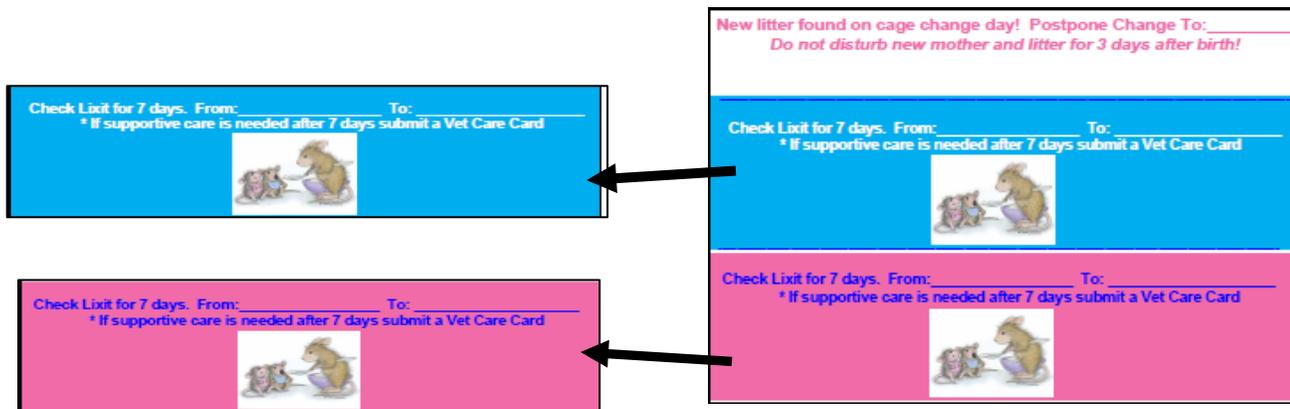
For example, if the wean date is 11/4, the lab has 11/4, 11/5, and 11/6 to wean. DLAR would wean on 11/7.



Back of the card:

- The top portion is used by DLAR if a newly born litter is found at cage change. Mothers with a new litter are not disturbed for 3 days following birth.
- The bottom portion is divided into two perforated sections that can be torn off at weaning. These two sections are placed on each newly weaned cage to alert DLAR and research staff to activate the drinking valve for the automatic watering. This is done for 7 days to help the newly weaned pups locate their water source.

If your animals are not on automatic watering, be sure to still use the perforated sections so DLAR staff can keep a close eye on all new weanlings.





Surgery Notification

These cards must be posted by the researcher and filled out completely whenever surgery is performed. **One card may be used per cage regardless of the number of animals in the cage.** Monitoring must be conducted for at least 7 days post-surgery and the analgesia schedule must be followed according to your protocol. Some cases may require further monitoring following the 7 days. The back of the card can be used to record additional observations. A score of a 2 requires that the vet tech or veterinarian be notified. **This card must stay on the cage for the life of the animal and then may be kept for your records after the animal is euthanized.**

Surgery Notification

Date: 2-1-21 PI: Bechaz Protocol# 100505 Phone# 5279

Procedure: Intraocular injection

Anesthetic: Ket/Xyl Isoflurane Other _____

Analgesic: Buprenorphine SR-Buprenorphine
 Meloxicam SR-Meloxicam Other _____

Circle the appropriate score. If the score is 2, contact the Animal Health Tech or Veterinarian.

	Day 0		Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7			
	AM	PM																
Analgesic Given		X																
Pain	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2
Activity	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2
Incision	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2
Initials	AK	AK	JH	JH	AK	JH	JH	JH	AK	AK	JH	JH	JH	JH	JH	JH	JH	JH

Record additional information on the back of this card.

Procedure	Date
Sutures/wounds clips removed	2-13-21
Euthanasia	

Post Procedural/Chronic Care

The post procedure card must be used whenever a procedure will impact the animals health over time (i.e. tumor growth, arthritis, paralysis, aging, sepsis, etc.). **One card may be used per cage regardless of the number of animals in the cage.** The top portion of the card must be filled out completely. Using the table, record any observations or treatments performed. Observations must be documented, according to your protocol. For long term observations, use the Post Procedure/Chronic monitoring log found in the yellow clinical binder. **This card must stay on the cage for the life of the animal and then may be kept for your records after the animal is euthanized.**

POST PROCEDURAL/CHRONIC CARE

Protocol #: 100505 PI: Bechaz Ph #: 5279

Observation Frequency in Protocol: 2x weekly

Procedure/Condition and Date: tumor injection

SCORE:	0=ACTIVE	1=LESS ACTIVE	2=INACTIVE	E=EUTHANIZED
Date/Time	Observation (Circle appropriate score)	Treatment(s) (if needed)		Initials
<u>2-1 1pm</u>	0 (1) 2 E	<u>wet food given</u>		<u>AK</u>
<u>2-5 11am</u>	0 (1) 2 E	<u>normal</u>		<u>JH</u>
	0 1 2 E			
	0 1 2 E	<u>See binder for observations</u>		
	0 1 2 E			
	0 1 2 E			
	0 1 2 E			
	0 1 2 E			

Nair or Retro Orbital Bleeding

When using Nair or performing a retro orbital bleed this card must be filled out completely and placed on the cage card for tracking and monitoring. Animals must be monitored **by the lab** for at least 3 days to watch for clinical issues. If clinical issues are noted extended treatment may be required. The back of the card can be used to record additional observations/treatments. **This card must be turned in to DLAR when observations are complete.**

Nair® or Retro Orbital Bleeding

PI: KUWH Protocol #: 100521 # of Animals: 3

Circle one: Nair RO Bleeding Procedure Date: 4-3-20

Monitoring must be performed for 3 days by the Research Staff

Day	Date	Initials	Normal	If abnormal, describe issue. *Must apply treatment*	TX ✓
0	<u>4-3-20</u>	<u>AK</u>	✓		
1	<u>4-4-20</u>	<u>AK</u>	✓		
2	<u>4-5-20</u>	<u>JH</u>	✓		
3	<u>4-6-20</u>	<u>SB</u>	✓		
DLAR Clinical team requires TX beyond the initial 3 days. Initial/Date:					
4					
5					

Turn completed cards in to Vet Tech's office (Room 093) Turn card over →



Veterinary Evaluation (VCC)

Veterinary care cards are used by anyone requesting veterinary evaluation of a potentially ill or injured animal. These must be filled out as completely as possible to aid in appropriate treatment*. When possible use the supplied rodent diagram to notate the area(s) affected. This is a carbon-based form with two copies. The top copy is removed and given to DLAR staff. The carbon copy (cardboard-like) must be left behind the permanent cage card. The back of the veterinary cage card is used to track and document observations and treatment (if prescribed). Separate columns can be used to track treatment and observations of several rodents or multiple treatments on one rodent.

If necessary due to the animal's condition, after evaluation, euthanasia may be required.

The card must be turned in to DLAR after the animal is euthanized.

LAB Euthanize by (Date/Time) 2-10-21 3:00 p.m. or DLAR will.
 Euthanized by _____ Date Euthanized _____

Malocclusion: Malocclusion may be a lifelong condition that requires intensive monitoring and treatment on a weekly basis. Mice with malocclusion should not be bred due to potential hereditary nature of the condition and euthanasia is recommended. If maintaining the mouse is necessary for your research, the mouse may be maintained for a specified amount of time and **DLAR will assess a technical service charge of \$7.50 per treatment (weekly) for the clinical care of the mouse.*

Notice: Animal Found Dead

Date: 3-24-21 Protocol #: 100505
 PI/Researcher: Bechaz
 Room # 24 Rack # 108 Slot # G4

Check One: Whole Litter Juvenile Adult
 # Found Dead: 1 ♂
 # In the Cage: 4 ♂
 Identification (ear tag/punch): R1
 DOB: 3-12-20
 Strain: C57BL/6
 Tech Initials AK

Animal found dead are kept in the designated refrigerator for 48 hrs for the research lab.

VETERINARY EVALUATION REQUESTED 7562

Date: 3-6-21 PI: HARRIS Protocol#: 100505 Room: 316
 Rack: 108 Slot: G16 #sick/#total/Sex: 1/2/♀ Tag/ID#: 103
 Thin Malocclusion Phone: 5279 DOB: 2-1-21
 Open sore Dystocia Lethargic Mass Tech: AK
 Prolapse Mobility Ocular Fighting

Notes: Alert and active. Applied TAD+, gave wet food.

Tx: TAD+ daily x3 ✓

3-9: Animal BPR, safe healed, DIC TX.

Date Euthanized by _____ or DLAR will. _____
 LAB Euthanize by (Date/Time) _____



TX: TAD+ by DLAR Lab

Freq: MWF Daily M-F Daily X7 Weekly 2Weeks
 Duration: 3 days 7 days 14 days Until resolved Lifetime

Date	Score	Initial	Date	Score	Initial	Date	Score	Initial
3-6	-	AK						
3-7	0	AK						
3-8	+	AK						
		DIC						

Scoring: + Condition Better 0 No Change - Condition Worse Date Resolved: 3-9-21

Duration: MWF Daily M-F Daily X7 Weekly 2Weeks
 3 days 7 days 14 days Until resolved Lifetime

TX: _____ by DLAR Lab

Notice: Animal Found Dead

This card is used to alert when an animal has been found dead. There are 3 possible carbon copies. The **top copy** is removed and turned in to the vet tech office. For the 2 remaining copies, one is attached to the carcass bag and one is placed on the cage behind the permanent cage card to alert research staff. The copy on the cage may stay posted for 48 hours. Carcasses are placed in the fridge where they will remain for 48 hours before disposal by DLAR.



The Guide states that “social animals should be housed in stable pairs or groups of compatible individuals unless they must be housed alone for experimental reasons or because of social incompatibility...If it is necessary to house animals singly...this arrangement should be for the shortest duration possible.”

The following steps are necessary to comply with this requirement:

1. Justification for singly housing animals must be included in the IACUC protocol.
2. The cage card of an animal that is singly housed must be marked in such a way that the DLAR staff and inspectors can readily determine the reason for being singly housed. Various colored dots or labels are required to identify the cages and reasons:
 - a. A  indicates an aggressive or incompatible animal.
 - b. A  indicates singly housed for a breeding reason's (removing the male breeder, removing a pregnant female from harem breeding cage, etc.).
 - c. A  indicates a reason other than those noted above.
3. Female animals should be returned to social housing as appropriate. Breeding females should be returned to group housing after pups are weaned until bred again.
4. **Never re-house male mice as this can cause aggression and fighting.**

Specialty Labels:

Specialized labels must be used for special food and water, as well as, restrictions, and/or when using hazards. See descriptions below.

DIET RESTRICTION

Measured diet. Lab signs off daily when fed. Cage may run out of diet.

Contact # _____

If not signed DLAR calls lab & may feed. Tech time charge applies.

Required when monitoring food volume. Place the label on a yellow post procedure/chronic care card and sign off **daily** that the animals have been fed. You may also use the post procedure sheet for this. If not signed off on, DLAR will attempt to contact the lab but may feed standard diet and charge a tech time fee.

SPECIAL DIET:

Lab feeds & ensures diet does NOT run out.

Contact #: _____

No food = DLAR calls lab & may feed. Tech time charge applies.

Required when using a diet that DLAR does not normally supply. Place label on the permanent cage card. Diet number/name and a contact info must be filled out. If empty, DLAR will attempt to find the correct diet and/or contact the lab but may re-fill with standard diet and charge a tech time fee.

FASTING

Date/Time: _____ AM PM

Date/Time: _____ AM PM

Contact #: _____

Past end time DLAR calls lab & may feed. Tech time charge applies.

Required for fasting Place the label on a yellow post procedure/chronic care card and sign off when food is removed and when food is replaced. If the fasting period passes and the animals have not been fed, DLAR will attempt to contact the lab but may feed standard diet and charge a tech time fee.

SPECIAL H₂O:

Water bottle present. No lixit.

Lab must provide water and change bottle.

Contact: _____

If empty, DLAR calls lab & may water. Tech time charge applies.

Required when a water bottle containing something other than standard H₂O. Place label on the permanent cage card. A description of the contents and contact info must be filled in. If empty, DLAR will attempt to contact the lab but may re-fill with regular H₂O and charge a tech time fee.

BIOLOGICAL HAZARD

Hazard Name: _____

Exposure Route: _____

Start Date: _____

End Date: _____

CHEMICAL HAZARD

Hazard Name: _____

Exp. Route: _____

Start Date: _____ Last Exp. Date: _____

7-day Post Exposure Date: _____

Cage ▲ (DLAR ONLY): _____

HAZARDOUS CARCASS

Biological Chemical

Date: _____ PI: _____

Protocol #: _____

Hazard Name: _____

Hazard labels must be used on all hazard experiments when appropriate and all lines **must** be filled out. **Must attend DLAR hazard training before any experiments may begin.**