HANDLING & USE OF IMMUNE DEFICIENT MICE IN-PERSON TRAINING

UNIVERSITY OF SOUTH FLORIDA COMPARATIVE MEDICINE

Attendee Name:		
Print Piccuso/Poviovy	Sign	Date
Discuss/Review:Complete AALAS Learning Library tutorial	"Handling and Use of Imm	una Daficiant Mica"
SOPs 11, 408, 413, 1015, 1127, The Guide		
Mice have various T, B, NK cell, macropha		•
Mice are spontaneous mutants (SCID, NO		
Immune deficient mice require careful hand		
mmane denoient miles require eareral mane	and doo. doo minute	
Entry Procedures:		
Go directly to isolation, use immune defici	ient mice in isolation first,	then other mice, and last, mice
housed in ABSL-2 biocontainment		
Whenever possible, in isolation housing an	id use, work in pairs .	
Equipment (e.g., anesthesia machines, sca	ales, calipers) and supplies c	dedicated to isolation (SOP 413)
Prior to entry, ensure that all reagents and	biologics have been chara	cterized free of infectious agents
or are sterile preparations, primary conta		
these are placed in nonporous secondary		
containers) that can be surface decontaming		
Appropriate sequence of donning PPE, dis		
then outside the isolation door don in s		
(c) push your thumb through the seam of the		
overlap the gown, then enter the isolation		
antimicrobial adhesive mat just inside th	0 ,	•
sequence (e) moisture proof sleeves or		
overlap sleeves and no skin is exposed. Do Oxivir allow 5 minute contact time.	recontaminate sieeves and (gloves by saturate spraying with
Whenever secondarily covered supplies a	nd aquipment of a substantiv	vo volumo are delivered to isolation
a two person transfer procedure should		
advance in accordance with entry procedule	` ,	
exterior individual saturate sprays the sec		
door is opened , and the sprayed equipmer		
closed , and the interior cart and equipmen		
to sit for 5 minutes inside isolation.	trouppings oping and again s	, are mener mannadar and anomed
Use Procedures:		
Each occupied microisolator in isolation	housing must remain in its	labeled location on the rack and
must be placed in this same rack space for	or the duration of study.	
Prepare the biosafety cabinet for handling		
spray the biosafety cabinet interior with		
If using portable equipment within the bio		e are saturate sprayed with Oxivir,
including all surfaces that may come into		
As a work surface for instruments, equipr	nent, or supplies, Oxivir soa	ked paper towels or blue pads may
be placed inside the hood.		
If inhalational anesthesia is planned, satu		duction chambers and rodent
nosecone of the quad anesthesia unit and		official and the section to see an
If imaging in isolation, disconnect the indu		
with Oxivir both the interior and exterior of	the induction champer, and	enter it into the biosatety cabinet
and let it sit for 5 minutes.	nont are available and dear	ntaminated remove a case with its
After ensuring that all supplies and equipmed water bottle in place from the rack and sat		

r	Place the sprayed cage with bottle in the biosafety cabinet and allow it to sit for 5 minutes. Multiple cages may be sprayed and loaded into the biosafety cabinet, but only one cage may be opened at a time within he biosafety cabinet.
	Saturate spray gloves and sleeves with Oxivir. A pan of Oxivir solution may be used to decontaminate gloved hands by immersion before handling mice in each microisolator.
È	Ensure that all activities are conducted at least 4 inches within the air curtain of the biosafety cabinet (i.e., greater than the height of a cage card holder).
Ñ	Nothing should touch the interior surfaces of the microisolator, including any surface of the biosafety cabinet.
F	Remove the water bottle and place it on the work surface. Carefully unclamp and remove the microisolator id and invert it onto the biosafety cabinet work surface and place the wire lid on top of the inner surface of he lid. The wire lid can be used to assist in handling rodents. Saturate spray with Oxivir sleeves and gloved hands before handling mice, and between each cage. Work surfaces/hoods are decontaminated after use by saturate spraying with Oxivir and allowed 5 minutes
	contact. Depart in your PPE.
Use F	Procedures Outside of Bidirectional Isolation:
If	f reentry of mice is required to isolation, don a Tyvek suit and follow the entry procedures described above. Plan your day so that returning to isolation is not required. If other housing and use areas are accessed after departing from isolation and you must re-enter isolation, you must first don a Tyvek suit in addition to all new PPE in accordance with entry procedures above.
	solation housing and use areas have limited personnel access, additional PPE required, monthly nonitoring for opportunistic infectious agents, and dedicated equipment and supplies.
\$	Some isolation housing and use is unidirectional (e.g., with IVIS 100 in isolation, or limited to immune deficient colony production), consequently, mice in unidirectional isolation may not exit except for post mortem tissue derivations in necropsy .
	Some isolation housing and use is bidirectional , permits mice to exit to common procedural areas (e.g.,
\$	VIS 200, MRI, gamma or x-irradiator, CT/PET/SPECT) and return to isolation housing. Signage on the isolation housing and use door must indicate whether mice can exit to common procedural areas and return to isolation housing.
V c t	Whenever mice is isolation must exit bidirectional isolation for a common procedural area , PPE must be donned in advance in accordance with entry procedures described above, the microisolator to be ransported is identified and saturate sprayed with Oxivir, and the sprayed microisolator transferred to the common procedural area by exiting in your PPE .
,	f several microisolators are to be transferred to a common procedural area, a two person transfer procedure should be utilized to exit with (a) the interior individual donning PPE in advance in accordance with entry procedures described above, (b) keeping the door closed while the interior individual identifies
a	and saturate sprays the microisolators with Oxivir on an interior cart, (c) the door is opened, and the sprayed microisolators transferred to the exterior individual and an exterior cart, (d) the door is closed,
	and the exterior cart is used to deliver the microisolators to the common procedure area. mmune deficient mice that must exit bidirectional isolation and return to isolation housing must be
i	delivered back to bidirectional isolation using a two person transfer procedure with (a) the interior individual donning PPE in advance in accordance with entry procedures described above, (b) keeping the
C	door closed while the exterior individual saturate sprays the microisolators with Oxivir, (c) the door is ppened , and the sprayed microisolators are transferred to the interior cart , (d) the door is closed, and the
	nterior cart and microisolators are sprayed again by the interior individual and allowed to sit for 5 minutes inside isolation.
A	All equipment and work surfaces in the common procedural areas should be decontaminated prior to and
	after each use. Staff intending to work in common procedural area with mice from bidirectional isolation must in addition to
r e	he disposable gown and shoe covers, don in sequence (a) bouffant, (b) surgical mask that covers the nose, (c) push your thumb through the seam of the sleeve of the gown, (d) put on a pair of gloves ensuring cuffs overlap the gown, (e) Tyvek sleeves, and (f) put on a second pair of gloves ensuring gloves overlap sleeves and no skin is exposed.

involving other mice from other house present in the common procedural a	sing areas. If multiple coh area, work with cohorts mo administered uncharacter	ctional isolation should precede work orts from separate housing rooms are ust occur in sequence, with work involving rized human specimens, preceding the other opened at a time.
Demonstrate: Isolation signage, unidirectional, bid	iractional igalation housin	a and use areas
Emphasize that on animal orders or should be indicated for the intended	or relocation requests the a luse	appropriate isolation housing and use room
Moffitt Resource Scheduler be used	to reserve biosafety cabi	nets
https://moffitt.resourcescheduler.negAppropriate isolation entry, donningDedicated equipment and supplies		PPE
Appropriate decontamination and two Disinfection of biosafety cabinet and Appropriate movement within the bi	d other work surfaces (e.g. osafety cabinet, >4" from ves and Tyvek sleeves are donned, remove outer onal PPE	., induction chamber, equipment) n air curtain, use of Oxivir soaked towels nd place in red biohazard bin. Depart in your
Training provided by:	Sign	

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