CO₂ EUTHANASIA OF MICE IN-PERSON TRAINING

UNIVERSITY OF SOUTH FLORIDA COMPARATIVE MEDICINE

Attendee Name:		
Print	Sign	Date
Discuss/Review: Carbon Dioxide (CO ₂) gas cylinders are c	dark gray in color (oxygen gas	s cylinders, used to deliver isofluran
anesthesia to mice, are green in color).		•
Compressed gas tank cylinders are the c		euthanasia of mice.
Neonatal mice are naturally resistant to the		
Prefilling a chamber with CO ₂ is not accep	otable.	
Demonstrate/Assess:		
Compressed gas tank cylinders have a very cylinders have a very cylinders have a very cylinder of the chamber of the cylinders have a very cylinder of the cylinders have a very cylinder of the cylinder		
Euthanasia of more than one mouse at a	time must be performed in col	horts of only live animals.
Mice should be euthanized in their home CO ₂ can be delivered directly into a prima	cage, whenever possible.	
Primary Enclosure		
Blue line by inserting the tubing into the	plastic lid's air supply port	
Green line using a stainless steel lid with		
First ensure the flow meter is "off" by t		
Open the cylinder valve by turning it cour	nter-clockwise.	
Refer to the table to determine flow rate	in L/min.	
Euthanex Smartbox		
Ensure that the green flow meter for indiv	vidual cage euthanasia is turne	ed off.
Confirm that the white "ready" light is o		
Turn the three black knobs on the front of		to a horizontal position.
The red "fault" light will turn on, indicating	-	
Load the chamber with home cages, each	າ covered with a wire bar lid, of	ffsetting cages so no cage is
directly stacked on top of another.	و و المواد و ماه و دار و	
Close the door and seal it by turning the t Select either "adults" or "neonates".	inree diack knobs clockwise.	
Press Start .		
Tress Start. The white "ready" light and the green "r	run" light will remain on until ti	he cycle completes
At the completion of a cycle, both the wl		
The red "stop" button can be used at any		
Disinfect the interior of the chamber after	• •	9
Death must be verified by employing a s		f euthanasia such as cervical
dislocation, decapitation, or bilateral thora	acotomy, or by observation at r	room air for at least 10 minutes.
CO ₂ exposure should not be used as the		onatal mice, and must be followed
by a secondary physical method of eutha	anasia.	
Training & assessment provided by		

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