

31-R-0116 IACUC Approved Deviations

Species: Swine (Sus scrofa)		Animal Number:174
Area Involved:	Housing	
Description:	Neonatal premature piglets will be housed in specially made incubators or animal ICU that are kept at 90 to 95 degrees Fahrenheit which is within the recommended ambient temperature range for this species according LAM 3rd addition. The internal dimensions of each ICU available for use measures 57.7" x 33.7" x 30" cage areas. This equates to 13.5 sq ft of floor space. Give the prematurity and small size of the piglets in this study (average weight 1 kg), we request that each unit accommodate 5 piglets.	
Species: Swine (Sus scrofa)		Animal Number:29
Area Involved:	Cleaning and Housing	
Description:	<p>Post infusion with radiopharmaceuticals animals will be housed in such a way that urine and feces are collected (in a pan if housed in pens) and as such only minimal cleaning including spot cleaning with water will be done for a period of 10 half-lives to prevent radioactive materials from entering the drains. This is a deviation from vivarium standards to keep the personnel safe, the extension in time is not defined within the AWA however the time between full sanitization is not unreasonable.</p> <p>In instances when multiple Ossabaw pigs >100 kg in body weight are housed in the same room fully occupied with 4 runs, animals may require housing with ~24 sqft/animal. This is due to safety concerns related to these animals having small legs with large compact bodies, which increases their risk for sliding when standing/ambulating if they were to be housed in a room with an open floor plan. Additionally, the housing of these animals in runs easily allows for the animals to be fed separately, which is necessary because animals exhibit food aggression toward each other. Animal care staff will default to providing at least 24 square feet and larger square footage when caging is available.</p>	
Species: Swine (Sus scrofa)		Animal Number:30
Area Involved:	Housing	
Description:	Neonatal premature piglets will be housed in stainless steel cages or plexiglass incubators (12 in width x 24 in depth x 24 in height) in temperature controlled room. The cages are equipped to accommodate stainless steel swivel and lightweight tether systems in order to administer the total parenteral nutrition (TPN) and solutions chronically. Piglets will be housed in individual cages given the various tethering from implanted lines to prevent tangling with other animals. All piglets on tether and swivel systems have space for normal postural movements including lying recumbent. Neonatal premature piglets are housed at room temperatures 85-92 degrees F, which is within the recommended ambient temperature range for this species according LAM 3rd addition.	

Obtained by Rise for Anim

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Species: Chinchilla (<i>Chinchilla lanigera</i>)		Animal Number: 79
Area Involved:	Social housing and Behavioral	
Description:	<p>Housing: Due to multiple non-study related clinical signs and aberrant cytokine profiles observed when animals were socially housed during pre-clinical vaccine and therapeutic development trials. These aberrant signs are abolished when housed singly and so they will be singly housed upon arrival and for the duration of their studies.</p> <p>Dust baths: Animals may receive dust baths for up to two weeks prior to initiation of a study, however thereafter dust baths cannot be permitted. This two-week interval is to permit 'wash-out' (e.g. removal of dust particles from the chinchilla nasopharynx and respiratory tract via normal mucociliary mediated clearance). The dust particles have the potential to interfere with viral and bacterial challenges, which is necessary for our otitis experiments.</p>	
Species: Chinchilla (<i>Chinchilla lanigera</i>)		Animal Number: 54
Area Involved:	Behavioral	
Description:	<p>We request an exemption from dust baths once the animals are on study until a period at which the animals go off study for a period of time prior to termination of the study. Once animals are on study we request an exemption from dust baths. The use of dust baths may interfere with the study as the dust enters the nasal cavity. We would like to resume dust baths in the event an animal goes off study for a period of at least 2 weeks to allow for a two week 'wash out' period, or when they are in another "waiting period."</p>	