

The Research Institute at Nationwide Children's Hospital

IACUC Approved Deviations

Species: Chinchilla (Chinchilla lanigera)				Animal Number: 96
Area Involved:	Social housing and environmental enrichment			
Description:	Once the animals are inoculated we request an exemption from social housing until it is determined that the animals can house by cohort numbers and do not demonstrate aggressive behavior. In addition, we request an exemption from dust baths once the animals have been infected until a period at which the animals go off study for a period of time prior to termination of the study.			
Species: Swine (Sus scrofa)				Animal Number: 71
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 3 rd 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: 71
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 3 rd addition.			
Species: Swine (Sus scrofa)				Animal Number: 19
Area Involved:	Cleaning			
Description:	Pigs will be housed either on the floor on bedding or in pens. 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 drain. 20 hours post infusion with fluorine-18 radiotracer. 60 hours post infusion with technetium-99m radiotracer. 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.			