

20 Nov 2018



Executive Vice President for Research &amp; Partnerships

November 15, 2017

United States Department of Agriculture  
Marketing and Regulatory Programs  
Animal and Plant Health Inspection Service  
Animal Care  
Eastern Regional Office  
920 Main Campus Drive, Suite 200  
Raleigh, NC 27606-5210

Dear Dr. Goldentyer,

I am providing the Eastern Region Animal Care office, Purdue University's 2017 Annual Report. Purdue University's Registration Number is 32-R-0007.

The Purdue University IACUC has granted one exception to the standards. This one exception has been applied to four separate approved animal use protocols. Title of the approved protocols:

Small Animal Surgery I and II (Veterinary Clinical Sciences 81800 & 82000)

General Surgery Laboratory (Veterinary Clinical Sciences 81100)

Minimally Invasive Surgery (Veterinary Clinical Sciences 60100)

Behavior, Husbandry and Diagnostic Techniques (Veterinary Clinical Sciences 501-503)

The IACUC has approved the short-term holding of dogs in surgical recovery cages with a smaller floor space than required by the regulations. These cages are listed in Purdue University's Canine Exercise Program document. The cages provide from 5.4 to 8.8 square feet.

For the Small Animal Surgery I and II and the Minimally Invasive Surgery protocols, dogs are received at approximately 7:00 a.m. on the day of surgery and are held in the recovery cages until approximately 11:00 a.m. when they are removed for performance of a pre-surgical physical examination by the assigned students. The dogs are then used in a non-survival surgical procedure. While the cages provide space for the dogs to make normal postural adjustments, depending on length of an individual dog, the cage may not meet the criteria necessary for routine housing in all cases. Care is taken to house the animals in cages most appropriate for their length.

In the case of Behavior, Husbandry and Diagnostic Techniques, dogs may be temporarily housed in these cages while being used in a laboratory session. These dogs are returned to their normal housing that same day.

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It should also be noted the same cages are used for longer periods to hold local humane society animals. These animals are housed at Purdue University for a survival surgical procedure (spay or castration) performed under the aforementioned surgical laboratories. Ownership of these animals is not transferred to Purdue University and the animals are returned to the humane society within 48 hours. As for the Purdue owned animals, care is again taken to house the animals in cages most appropriate for their length. While at Purdue, the animals are walked by the students two to three times per day.

While not necessarily considered an exception to the standards, the Purdue University IACUC has also granted a protocol housing space exception for the housing of swine. The title of the approved protocol is Evaluation of Prototype Ureteral Stents. The Animal Welfare Regulations that would pertain to swine housing (9CFR, Ch.1, Subpart F, §3.128) state "Enclosures shall be constructed and maintained so as to provide sufficient space to allow each animal to make normal postural adjustments with adequate freedom of movement". The ILAR Guide for the Care and Use of Laboratory Animals ("Guide"), for individually housed swine of a body weight from 50 kg to 100 kg recommends 24 square feet of floor space. If swine of this size were group housed, only 18 to 20 square feet would be recommended as per the "Guide". The Guide for the Care and Use of Agricultural Animals in Research and Teaching ("Ag Guide") recommends 14 square feet of floor space for the same size individually housed animal. If swine of this size were group housed, only 6 to 8 square feet would be recommended as per the "Ag Guide". The swine assigned to this protocol are housed in metabolism pens that provide 12.6 square feet of floor space. Housing duration is for three weeks and will allow the investigator to retrieve and evaluate any stent fragments passed in the urine. The metabolism pens do provide sufficient space to allow each animal to make normal postural adjustments with adequate freedom of movement. No pigs were affected by this exception during this reporting period.

Please feel free to contact me if you require additional information.

Sincerely,

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