



## Inspection Report

Univ Of Tennessee Knoxville Off Lab An Care  
336 Ellington Plant Science  
2431 Joe Johnson Drive  
Knoxville, TN 37996

Customer ID: 843

Certificate: 63-R-0105

Site: 001

UNIV OF TENNESSEE KNOXVILLE OFF LAB AN CARE

Type: ROUTINE INSPECTION

Date: 08-JUL-2016

### 2.31(e)(2)

#### INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

Several protocols reviewed during this inspection did not include a rationale for the appropriateness of the numbers of animals to be used. For example, protocol 2456 simply stated the number of animals to be used and that the number was based on standard numbers needed to achieve significance. No references or statistics were included to document significance. Protocol 2383 stated that they want 8 animals in each group with an extra 2 in each group for replacement if any need to be removed for health issues or acute death. It further stated that in a previous similar model group sizes of 8 were needed to allow for variability in biological response and unanticipated health events. No references or statistics were provided as rationale. No rationale was given for the extra 2 animals per group requested in protocol 2383 that were apparently included in the 8 animals of the similar model group. A protocol must include a rationale for the number of animals to be used in order for the IACUC to be able to adequately review activities related to the care and use of animals including ensuring limiting the use of animals to minimize discomfort, distress and pain and unnecessary duplication. Correct by Oct. 31, 2016.

### 2.32(a)

#### PERSONNEL QUALIFICATIONS.

The facility reported a suspension of protocol 1626 to USDA Animal Care in November 2015. The IACUC was monitoring this protocol closely due to previous non-compliance events. In early Nov. 2015 OLAC staff noticed that two hamsters had open surgical incisions and another three were showing signs of pain and distress the day after surgery. In addition some were showing neurological signs and one of them was salivating heavily. Research staff records noted that the research staff had observed the animals that same morning and considered them bright, alert and responsive. An IACUC investigation into the incident determined that the research staff were not provided proper training for conducting protocol procedures including surgery or for conducting post-surgical animal assessments. During the six month suspension, extensive training was provided to all research laboratory personnel via multiple modalities and by multiple people. Procedures have resumed with frequent IACUC member oversight and no additional problems have been reported. Lack of adequate training of personnel involved in animal care and use can lead to severe consequences including unnecessary pain and distress to the animals. It shall be the responsibility of the research facility to ensure that all scientists, research technicians, animal technicians and other personnel involved in animal care, treatment and use are qualified to perform their duties which shall be

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fulfilled in part through the provision of training and instruction to those personnel. Corrected for protocol 1626 at this time; correct from this day forward for all protocols.

Exit conducted with undersigned Attending Veterinarian and additional facility representatives.

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## Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
843	63-R-0105	001	UNIV OF TENNESSEE KNOXVILLE OFF LAB AN CARE	08-JUL-16

Count	Scientific Name	Common Name
000018	<i>Bos taurus</i>	CATTLE / COW / OX / WATUSI
000028	<i>Canis lupus familiaris</i>	DOG ADULT
000002	<i>Capra hircus</i>	DOMESTIC GOAT
000017	<i>Equus caballus</i>	DOMESTIC HORSE
000019	<i>Felis silvestris catus</i>	CAT ADULT
000006	<i>Lama pacos</i>	ALPACA
000079	<i>Mesocricetus auratus</i>	SYRIAN / GOLDEN HAMSTER (COMMON PET/RESEARCH TYPE)
000003	<i>Ovis aries aries</i>	SHEEP INCLUDING ALL DOMESTIC BREEDS
<b>000172</b>	<b>Total</b>	