

## Attachment 1

## Exceptions to the Regulations and Standards

The following is a list of activities approved by the IACUC that may be exceptions to the regulations and standards.

Exceptions 1-3 may apply to research involving the use of tenrecs and they only apply while the tenrecs are in hibernation. All 3 exceptions may apply to all 77 tenrecs.

1. The temperature in the e-chamber required for hibernation of tenrecs is outside of the normal range for housing rodents. Justification: Hibernators depend on low temperatures to effectively hibernate.
2. Euthanasia of tenrecs by decapitation or cervical dislocation without anesthesia while in hibernation. Justification: Low respiratory and heart rates during hibernation means that drug administration or CO<sub>2</sub> asphyxiation is ineffective.
3. Tenrec cages in e-chambers are not changed on a regular schedule while tenrecs are in torpor. Justification: The normal tenrec cage changing and sanitation is every two weeks or more frequent. However this exception applies only while tenrecs are in torpor. Changing cages would actually be detrimental to the tenrecs as it would induce arousals from torpor. While in torpor the cages are not changed or sanitized during the entire duration of torpor.