

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 1-4 may apply to research involving the use of tenrecs and squirrels. They only apply while the tenrecs and squirrels are in hibernation. All 4 exceptions could apply to all 88 tenrecs and 78

Squirrels

1. The temperature in the e-chamber required for hibernation is outside of the normal range for housing rodents. Justification: Hibernators depend on low temperatures to effectively hibernate. (Tenrecs n=88, Squirrels n=24)
2. Euthanasia by decapitation or cervical dislocation without anesthesia while in hibernation. Justification: Low respiratory and heart rates during hibernation means that drug administration or CO₂ asphyxiation is ineffective. (Tenrecs n=21, Squirrels n=24)
3. Cages in e-chambers are not changed on a regular schedule while animals are in torpor. Justification: The normal tenrec and squirrel cage changing and sanitation is every two weeks or more frequent. However, this exception applies only while tenrecs or squirrels 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. (Tenrecs n=0, Squirrels n=24)
4. Animals may experience altered light cycles or reduced light levels. Justification: Wild animals that hibernate in burrows will also experience altered light cycles and reduced light levels. (Tenrecs n=0, Squirrels n=24)