

**United States Department of Agriculture Annual Report of Research Animal
Facility (Form 7023) 10/1/2021 - 9/30/2022
Stanford University
Registration #93-R-0004**

Justification for the “E” Category Procedures

Species: Siberian hamster **Number of Animals Used in the Study:** 40

Animals are injected with NMU in a tumor induction procedure. While no pain/distress is anticipated, analgesics can phase shift circadian rhythms and in our case, could interfere with the maintenance of the arrhythmic state.

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Species: Rabbits **Number of Animals Used in the Study:** 19

One investigator was granted Stanford IACUC approval to conduct steroid injection to create an orthopedic condition. Animals experience weight loss of unknown cause and have been classified as "E" while this is evaluated, but receive dietary supplements and medical care under close veterinary management to alleviate potential discomfort.

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Species: Voles **Number of Animals Used in the Study:** 276

One Investigator was granted Stanford IACUC approval to conduct three chamber behavioral assay procedures that expose animals to potential aggression for limited periods of time. These are rated as Category E procedures because the behavioral assays which evaluate aggression and mate guarding may cause distress to the attacked vole. There are no alternative procedures that have been proven to be effective.