

Column E Explanation

24 NOV 2017

1. Registration Number: 32-R-0002
2. Number 18 of animals categorized as column E used in this study.
3. Species (Siberian hamster) 445 Number of animals used in this study.
4. Explain the procedure producing pain and/or distress. Explanation should include a brief description of the procedure, but also explain what the animal's experience is, examples of which may include, but are not limited to: Neurological signs, seizures, tremors, paralysis, lethargy, inappetance, respiratory signs. GI distress, vomiting and diarrhea.

Some animals will receive an injectable active substance that elicits an inflammatory and fever-inducing response, without actually affecting the animal overall.

5. Attach or include with the reason(s) for why anesthetics, analgesics and tranquilizers could not be used. (For federally mandated testing, see item 6 below.)

The purpose is to examine the effects of energy availability on immune activation and responses to a simulated pathogen. Symptoms include lethargy, reduced food intake, and elevated body temperature, all of which are monitored. Alleviation of symptoms would compromise the integrity of the experiments by interfering with the ability to quantify information in a scientific meaningful way.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g. APHIS, 9 CFR 113.102). If the requirement is per a guidance documents, such as an Agency notice or harmonization guideline, please provide a specific sufficient information to identify the cited document.

Agency n/a CFR n/a