

Column E Explanation

This form is intended as an aid to complete the Column E explanation. It is not an official form and its use is voluntary. Annual Reports and explanations should NOT include PII information such as names (principle investigators and research staff), addresses, protocols, meeting notes (either in part or in full), the animals room numbers, grant information, veterinary care programs, and the like. A Column E explanation must be written so as to be understood by lay person as well as scientists.

1. Registration Number: 73-R-0121
2. Number 67 of animals categorized as column E used in this study.
3. Species (common name) Bears of animals used in this study.
4. Explain the procedure producing pain and/or distress. Explanations should include a brief description of the procedure, but also explain what the animal's experience, examples of which may include, but are not limited to: Neurological signs, seizures, tremors, paralysis, lethargy, inappetence, respiratory signs, GI distress, vomiting, and diarrhea.

Wild-caught bears were anesthetized for dental extractions. Although no signs of pain or distress were observed, it was assumed that mild discomfort from the tooth removal occurred once the analgesic wore off.

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).

Although the bears were anesthetized during the extractions and were administered analgesic medication, repeat doses of analgesics could not be administered because the bears were released back into the wild upon anesthetic recovery.

6. What, if any, federal regulation 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 document, such as an Agency notice or harmonization guideline, please provide specific sufficient information to identify the cited document.

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1. Registration Number: 73-R-0121
2. Number 8 of animals categorized as column E used in this study.
3. Species (common name) Pigs of animals used in this study.
4. Explain the procedure producing pain and/or distress. Explanations should include a brief description of the procedure, but also explain what the animal's experience, examples of which may include, but are not limited to: Neurological signs, seizures, tremors, paralysis, lethargy, inappetence, respiratory signs, GI distress, vomiting, and diarrhea.

Pigs were exposed to a respiratory virus that can infect both pigs and people in order to investigate novel antiviral compounds and determine their efficacy against this virus. The respiratory infections were allowed to progress to an advanced stage before the pigs were humanely euthanized.

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).

Pain relieving medications could have altered the clinical course of the disease, masking the effects of the antiviral compounds being studied. Euthanasia earlier in the course of the infections would not have allowed testing to see if the antivirals were effective in late stage disease.

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1. Registration Number: 73-R-0121
2. Number 391 of animals categorized as column E used in this study.
3. Species (common name) Rabbits of animals used in this study.
4. Explain the procedure producing pain and/or distress. Explanations should include a brief description of the procedure, but also explain what the animal's experience, examples of which may include, but are not limited to: Neurological signs, seizures, tremors, paralysis, lethargy, inappetence, respiratory signs, GI distress, vomiting, and diarrhea.

Rabbits were used to feed small ticks as part of a project to produce ticks. Non-animal methods of feeding ticks have not been successful. The rabbits exhibited mild dermal erythema where the ticks attached and increased twitching or movement of their ears.

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).

Medications have not been identified that could lessen the rabbits' discomfort without causing adverse side effects and without harming the ticks' ability to reproduce.

6. What, if any, federal regulation 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 document, such as an Agency notice or harmonization guideline, please provide specific sufficient information to identify the cited document.

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