

Column E Explanation

This form's intention is an aid to completing the Column E explanation. It is not an official form and use is voluntary. Names, address, protocols, veterinary care programs, and the like are not required as part of an explanation. Laypersons as well as scientists must understand the written Column E explanation.

1. Registration Number: 21-F-0002

2. Number of animals used in study: 109

3. Species (common name) of animals used in study: Cow, pig, sheep, rabbit, and horse

4. Explain the procedure producing pain and /or distress.

Pain and distress are caused by reproducing diseases African Horse Sickness (AFS), African Swine Fever (ASF), Heartwater (HW), Classical Swine Fever (CSF), and Rabbit Hemorrhagic Disease (RHD).

Horses with AHS will experience fever, colic, respiratory distress, and death.

Swine with CSF will experience fever, depression, conjunctivitis, diarrhea, encephalitis, and death.

Swine with ASF will experience fever, depression, hemorrhage, and death.

Sheep with HW will experience fever, depression, respiratory distress, neurological signs and death.

Rabbits with RHD will experience fever, depression, conjunctivitis, diarrhea, stomatitis, pneumonia, dehydration, and death

5. Attach or include an explanation with the reason(s) for why anesthetics, analgesics, and tranquilizers are not used. (For federally mandated testing, see Item 6 below)

In order to demonstrate clinical signs and pathologic lesion, it is necessary to reproduce the disease in natural host species. Although videotapes, slides, and other media are used to supplement training, there is no substitute for observing clinical cases and performing post mortems on affected animals. This is a training course for veterinarians and scientists to recognize the clinical signs and postmortem lesions of foreign animal diseases and to learn proper methods of sample collection for laboratory diagnosis.

All animals are treated with opioid and / or Non-Steroidal Anti-inflammatory Drugs (NSAIDs) analgesics as soon as illness occurs, however treatment may not eliminate all pain and distress. All animals are closely monitored for treatment and humane endpoints. The attending veterinarian has full authority to treat or euthanize experimental animals should severe pain and distress occur. The PIADC attending veterinarian and IACUC strive to reduce pain to the lowest level possible and still meet the critical scientific needs.

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, 9CFR 113.102):

N/A

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