

Column E Explanation

1. Registration Number – 42-R-0003
2. Total number of animals used in the study: 191 in study; 82 in Column E
3. Species (common name) used in study: Guinea Pigs
4. Explain the procedure producing pain and/or distress:

Inoculation with *Campylobacter jejuni* and potential subsequent abortion in pregnant animals.

5. Attach or include an explanation with the reasons(s) for why anesthetics, analgesics and tranquilizers could not be used.

The purpose of this project is to study pathogenesis of abortion process caused by *C. jejuni* in pregnant animals. Induction of abortion without any interference in pregnant guinea pigs following experimental infection is of paramount importance to studying the pathogenesis.

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:

Not required by Federal Regulations.

Column E Explanation (continued)

1. Registration Number – 42-R-0003
2. Total number of animals used in the study: 24 in study; 9 in Column E
3. Species (common name) used in study: Hamster
4. Explain the procedure producing pain and/or distress:

Clostridium difficile infection or treatment with toxins of C. Difficile may cause pain or distress by leading to severe diarrhea.
5. Attach or include an explanation with the reasons(s) for why anesthetics, analgesics and tranquilizers could not be used.

This study is designed to test the efficacy of therapeutic antibody treatment of animals infected with C. difficile or it's toxins. Alleviation of symptoms of diarrhea with other medications would interfere with determining the efficacy of the antibody treatment.
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:

Not required by Federal Regulations.

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Column E Explanation (continued)

1. Registration Number – 42-R-0003
2. Total number of animals used in the study: 16 in study; 14 in Column E
3. Species (common name) used in study: Sheep
4. Explain the procedure producing pain and/or distress:

The induction of sepsis by administration of bacteria.

5. Attach or include an explanation with the reasons(s) for why anesthetics, analgesics and tranquilizers could not be used.

Use of anesthetics, analgesics and tranquilizers has been demonstrated to alter the physiologic response to sepsis which was the primary focus of the study.

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:

Not required by Federal Regulations.