

NP 1/8/18

Column E Explanation

1. Registration Number – 42-R-0003
2. Total number of animals used in the study: 7 total in study, 4 in column E
3. Species (common name) used in study: Rabbit
4. Explain the procedure producing pain and/or distress:

Animals are infected with living *Pasteurella multocida* (type 51-2).

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

The experimental antibiotic under investigation must be the only drug given to the animals for this experiment.

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

1. Registration Number – 42-R-0003
2. Total number of animals used in the study: 25 total in study, 10 in column E
3. Species (common name) used in study: Swine
4. Explain the procedure producing pain and/or distress:

The skin of swine is treated multiple times with the irritant 1-Fluoro-2,4-dinitrobenzene.

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

The swine are not treated with anesthetics or analgesics after the skin treatment because it would skew the data being collected about the immune response and immune memory response associated with multiple exposure to the same irritant.

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

1. Registration Number – 42-R-0003
2. Total number of animals used in the study: 9 total in the study, 9 in column E
3. Species (common name) used in study: Sheep
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

1. Registration Number – 42-R-0003
2. Total number of animals used in the study: 25 total in study, 16 in column E
3. Species (common name) used in study: Guinea pig
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

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

The animals were exposed to hydrogen sulfide.

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

These medications are not used because they would not help the animals with the hydrogen sulfide exposure symptoms.

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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