

**Column E Explanation**

This form is intended as an aid to completing the column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocol, veterinary care programs and the like, are not required as part of an explanation. A column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 23-R-0021
2. Number of Category E animals: 22
3. Species: Ferret
4. **Explain the procedure producing pain and or distress:** Ferrets in this study will be inoculated with wild-type or recombinant wild-type Influenza viruses. Animals inoculated with these viruses will display clinical signs including weight loss and inactivity.
5. **Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.** Treatment of these animals with analgesics or anti-inflammatory agents will mask clinical signs, alter behavior, and interfere with viral replication and transmission; therefore, it is not possible to relieve pain or distress resulting from influenza infection. However, the investigator, in consultation with the veterinarian and with the approval of the IACUC, have established humane endpoints intended to relieve pain and/or distress of animal that become severely ill.
6. **What, if any, federal regulations require this procedure?** This procedure is the focus of the PI's research and not required by law.

1. Registration Number: 23-R-0021
2. Number of Category E animals: 48
3. Species: Guinea Pigs
4. **Explain the procedure producing pain and or distress:** Guinea pigs in this study will be inoculated with wild-type or recombinant wild-type influenza viruses. To date, there are no reports of guinea pigs developing disease signs other than temporary mild weight loss between 1-10% following influenza infection. However, as some of the virus strains being evaluated have not been characterized in guinea pigs, it is possible that infection may result in clinical signs.
5. **Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.** Treatment of these animals with analgesics or anti-inflammatory agents will mask clinical signs, alter behavior, and interfere with viral replication and transmission; therefore, it is not possible to relieve pain or distress resulting from influenza infection. However, the investigator, in consultation with the veterinarian and with the approval of the IACUC, have established humane endpoints intended to relieve pain and/or distress of animal that become severely ill.
6. **What, if any, federal regulations require this procedure?** This procedure is the focus of the PI's research and not required by law.

**Summary of IACUC-Approved Exemptions to Regulations and Standards**

<b>IACUC-Approved Exemption</b>	<b>Description of IACUC-Approved Exemption</b>	<b>Species of Animal</b>	<b>Number of Animals</b>
<b>Sections 2.31, 2.32, 2.33</b>	Survival surgery in a dedicated research laboratory to produce transgenic animals.	Rabbits	0