

**Column E Explanation - Ferrets**

1. Registration Number: 23-R-0021
2. Number of Category E animals: 152
3. Species: Ferret
  
4. **Explain the procedure producing pain and or distress:** Ferrets in this study were inoculated with wild-type or recombinant wild-type viruses or exposed to inoculated ferrets in standard cages or transmission cages. 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. Disease progression was monitored and, if necessary, animals were removed from study based on predetermined humane endpoints outlined in the protocol.
  
6. **What, if any, federal regulations require this procedure?** This procedure is the focus of the PI's research and not required by law.