# 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, protocols, 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: 1664

2. Number 1 of animals used in this study.

3. Species (common name) Guinea Pig of animals used in this study.

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

   Vena cava blood draw procedure in guinea pigs.

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 would interfere with test results (for federally mandated testing, see item 6 below).

   As the vena cava blood draw procedure in guinea pigs is a blind stick, unintended errors may cause adverse reactions that may include respiratory distress, abnormal chest sounds, lethargy, hunched posture, oral/nasal discharge or pale mucus membranes. If any of these indicators appear quickly, they will be addressed immediately. However, these indicators may also occur between monitoring sessions or overnight. Although unintended, if any recovered animal experiences delayed complications including unexpected death without analgesia, it will be categorized under pain category E as there will have been no pain alleviation during this period.
   Experimental animals will be monitored until fully recovered from anesthesia the day of the blood draw procedure. They will then be monitored at least once more the same day as the procedure. In addition to the above monitoring, animals used specifically for training purposes will be monitored twice daily for an additional 5 days. Procedures on training animals will be conducted on Mondays only to allow for the 5 days of monitoring.

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, 9 CFR 113.102): ,

   Agency _____ CFR _ _ _ _ _ _ _ _ _ _ _ _ _