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: 93-R-0464

2. Number 7 of animals used in this study.

3. Species (common name) Guinea pigs of animals used in the study.

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

Guinea pigs are guillotined to obtain brain tissues, following the protocol recommended in the AVMA Policy on Euthanasia (2000)

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. (For Federally mandated testing, see Item 6 below)

Both volatile and injectable anesthetics (e.g. pentobarbital) can influence the release of hormones from the anferior pituitary (e.g. prolactin) whole secretion is regulated by the neuronal groups that is proposed to study (looking land et.al, Neuroendocrinology 52:99-105). This precludes the use of anesthetic-induced euthanasia in these types of brain studies.

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_____