

FORM APPROVED
OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

U.S. ARMY Center for Health Promotion and
Preventive Medicine / Toxicology Division
5058 Blackhawk Rd.
APG, MD 21010-5422

NOV 02 1999

PART I HEADQUARTERS

Optional Column E Explanation Form

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: _____

2. Number 22 _____ 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.

Twenty-two guinea pigs were used to determine the relative toxicity of cholinesterase inhibiting compounds. These animals were tested either by intramuscular injection or by inhalation of a vapor or particulate material. Animals dosed in this manner were placed in the unalleviated pain or distress category.

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 question 6 below)

Anesthetics, analgesics or tranquilizers could not be used for the relief of pain in the post-exposure phase due to their ability to interfere with the physiological effects of the test article. Anesthetics, analgesics and tranquilizers may act as respiratory depressants and could potentiate the toxic action of test compounds. External stimuli and manipulation were minimized to decrease any associated anxiety. The Institutional Animal Care and Use Committee approved these studies and any subsequent protocol amendments. Experienced staff veterinarians were on site to monitor study conduct and any animal welfare concerns.

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 _____