51 F 0021

Optional Column E Explanation Form

1. **Registration Number:** 51-F-021

2. **Number** 245 **of animals used in this study.**

3. **Species** (common name) Hamsters **of animals used in this study.**

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

The mission of the United States Army Institute of Infectious Diseases is to perform studies on the pathogenesis, diagnosis, prophylaxis, treatment and epidemiology of infectious diseases for medical defense against potential biological threat agents and naturally occurring infectious agents and toxins of military importance that require special containment. The animals listed in column E have all been used in some aspect of these studies. The rational and justification for the use of animals in each of the studies performed in support of the institute's mission have been closely scrutinized by the IACUC and the Institute's leadership. The nature of most infectious diseases and toxins studied at USAMRIID involves a clinical course which includes some degree of discomfort (e.g. fever, myalgia, etc).

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)

The retardation or relief of clinical signs with pain relieving or anesthetic drugs result in inaccurate experimental data because these drugs interfere with certain clinical and immunological responses to biological agents by the test animal, and subsequent analysis of those responses. All studies that result in unalleviated pain or distress to experimental animals require scientific justification, in writing, explaining in detail, why the use of pain relieving drugs is not appropriate and how it would interfere with the scientific goals of the study. Each of these protocols is evaluated on a case by case basis by the IACUC.

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 N/A **CFR** N/A

51F0021

Optional Column E Explanation Form

1. **Registration Number:** 51-F-021

2. **Number** 10 **of animals used in this study.**

3. **Species** (common name) Rabbits **of animals used in this study.**

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

The mission of the United States Army Institute of Infectious Diseases is to perform studies on the pathogenesis, diagnosis, prophylaxis, treatment and epidemiology of infectious diseases for medical defense against potential biological threat agents and naturally occurring infectious agents and toxins of military importance that require special containment. The animals listed in column E have all been used in some aspect of these studies. The rational and justification for the use of animals in each of the studies performed in support of the institute's mission have been closely scrutinized by the IACUC and the Institute's leadership. The nature of most infectious diseases and toxins studied at USAMRIID involves a clinical course which includes some degree of discomfort (e.g. fever, myalgia, etc).

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)

The retardation or relief of clinical signs with pain relieving or anesthetic drugs result in inaccurate experimental data because these drugs interfere with certain clinical and immunological responses to biological agents by the test animal, and subsequent analysis of those responses. All studies that result in unalleviated pain or distress to experimental animals require scientific justification, in writing, explaining in detail, why the use of pain relieving drugs is not appropriate and how it would interfere with the scientific goals of the study. Each of these protocols is evaluated on a case by case basis by the IACUC.

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 N/A **CFR** N/A