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OMB APPROVED
0579-0036

Interagency Report Control No. 0180-DOA-AN

Fiscal year:

**UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

**Annual Report of Research Facility
Column E Explanation**

(TYPE OR PRINT)

This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.36). Failure to report according to the regulations can result in an order to cease and desist.

1. REGISTRATION NUMBER

2. Research Facility Headquarters address

3. Number of animals used in the study.

4. Species (common name) of animals used in the study.

5. Explain the procedure producing pain and distress.

6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight.

7. 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

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		Interagency Report Control No. 0180-DOA-AN Fiscal year:
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE Annual Report of Research Facility Column E Explanation (TYPE OR PRINT)		
This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.36). Failure to report according to the regulations can result in an order to cease and desist.		
1. REGISTRATION NUMBER 14-R-0017	2. Research Facility Headquarters address Boston University 85 East Newton St., Suite 810 Boston, MA 02118	
3. Number of animals used in the study. 8 (4 rhesus, 4 cynomolgus)	4. Species (common name) of animals used in the study. Rhesus monkey, cynomolgus monkey	
5. Explain the procedure producing pain and distress. Filovirus challenge for confirmation of virulence studies (rhesus) Filovirus challenge for natural history studies (rhesus) Filovirus challenge for therapeutic evaluation (rhesus) Filovirus challenge for vaccine evaluation (cynomolgus)		
6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight. Animals cannot be treated as any treatment would interfere with the outcome of the study rendering the study data uninterpretable. NSAIDS cannot be used because these drugs inhibit prostaglandin and leukotriene synthesis, and stabilize lysosomal membranes impacting cytokine activity. These affected systems are target systems that are to be evaluated in these studies. Opiates are not indicated because the pain experienced consists of a non-specific malaise that may not be improved by opiates. Further, opiates may increase mortality due to interference with cardiovascular and respiratory systems. Rather, pain and distress are minimized by using a score sheet to determine when an animal should be euthanized.		
7. 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	

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3. Number of animals used in the study. 6	4. Species (common name) of animals used in the study. Cynomolgus monkey	
5. Explain the procedure producing pain and distress. SARS CoV-2 inoculation for therapeutic evaluation studies (cynomolgus) SARS CoV-2 inoculation for vaccine evaluation studies (cynomolgus)		
6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight. Animals cannot be treated as any treatment would interfere with the outcome of the study rendering the study data uninterpretable. NSAIDS cannot be used because these drugs inhibit prostaglandin and leukotriene synthesis, and stabilize lysosomal membranes impacting cytokine activity. These affected systems are target systems that are to be evaluated in these studies. Opiates are not indicated because the pain experienced consists of a non-specific malaise that may not be improved by opiates. Further, opiates may increase mortality due to interference with cardiovascular and respiratory systems. Rather, pain and distress are minimized by using a score sheet to determine when an animal should be euthanized.		
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