According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average .5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

OMB APPROVED
0579-0036

Interagency Report Control No. 0180-DOA-AN

Fiscal year: 2020

## 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
	nd desist.

1. REGISTRATION NUMBER	2. Research Facility Headquarters address	
52-R-0124	Virginia Commonwealth University (Box 980568) 800 East Leigh Street Biotech One Suite 3000 Richmond, VA 23298	
3. Number of animals used in the study. 5	4. Species (common name) of animals used in the study. Rhesus macaques	

5. Explain the procedure producing pain and distress.

Dependence is produced by chronically treating animals with an opioid or allowing animals to selfadminister opioids and withdrawal is produced by briefly terminating opioid treatment or selfadministration access conditions.

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.

The distress produced by this procedure is the scientific end-point being measured. The use of anesthetics, sedatives, and analgesics would interfere with scientific dependent measure, as these compound classes would obscure our evaluation of the opioid withdrawal signs. In fact, one goal of our studies is to test compounds for their ability to reduce overt withdrawal signs and withdrawal-associated changes in behavior.

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):

Not Applicable

Agency	CFR