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According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and collection of information unless it displays a valid OMB control number. The valid OMB control nu 2020 2020. The valid of the valid	mber for this information collection is	s 0579-0036
0579-0036. The time required to complete this information collection is estimated to average .5 h reviewing instructions, searching existing data sources, gathering and maintaining the data neede collection of information.		
		Fiscal year:
UNITED STATES DEPA ANIMAL AND PLANT HE Annual Report o		ON SERVICE
	E Explanation	
This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.3		rding to the regulations can result in an order to
1. REGISTRATION NUMBER		acility Headquarters address
52-R-0011	P.0. Box 40030 Charlottesville	
3. Number of animals used in the study.	4. Species (co	mmon name) of animals used in
181	the study.	Rabbit (infant bunny)
the ensuing dysentery.		_ •
6. Provide the scientific justification for not p or tranquilizing drugs during procedures whe distress greater than momentary or slight.		
Opiates are due to the changes they cause in gastrointesti		
administered because of their influence on inflammat	ion, which is quantif	ied as part of the experiment.
7. What, if any, Federal regulations require th Federal Regulations (CFR) title number, and t 113, 102):		
None		
Agency		CFR

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 051-9-0035 57-9-005 57-005 57-005 57-005 57-005 57-005
		Interagency Report Control No. 0180-DOA-AN
		Fiscal year:
Column		SERVICE
This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.	and the second	ng to the regulations can result in an order t
I. REGISTRATION NUMBER		ity Headquarters address
52-R-0011	University of Virginia, Office of VP for Research P.0. Box 400301 Charlottesville, VA 22904	
8. Number of animals used in the study. 84	4. Species (common name) of animals used in the study. Hamsters	
5. Explain the procedure producing pain and There are three studies of infectious diseases that use ham enterotoxogenicClostr!dium difficile examining the role o clinical symptoms of diarrhea and dehydration. The hams during the course of infection. The second two studies use a hamster mode! of SARS-CoV either an intra-nasal or intra-tracheal route to test of the effe during the ensuing infection. The hamsters are euthanized signs of respiratory distress.	sters as a model for human feosinophils and some cyt ters are euthanized if they V-2 (Covid-19). Hamsters icacy of candidate vaccine	okines that ameliorate the lose 20% or more of their body weight are given SARS CoV-2 by s or therapeutic treatments
There are three studies of infectious diseases that use ham enterotoxogenicClostr!dium difficile examining the role o clinical symptoms of diarrhea and dehydration. The hams during the course of infection. The second two studies use a hamster mode! of SARS-Cov either an intra-nasal or intra-tracheal route to test of the effe during the ensuing infection. The hamsters are euthanized signs of respiratory distress.	sters as a model for human feosinophils and some cyt ters are euthanized if they V-2 (Covid-19). Hamsters ficacy of candidate vaccine d if they lose 20% of their bo	okines that ameliorate the lose 20% or more of their body weight are given SARS CoV-2 by s or therapeutic treatments ody weight or show severe
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There are three studies of infectious diseases that use ham enterotoxogenicClostr!dium difficile examining the role o clinical symptoms of diarrhea and dehydration. The hams during the course of infection. The second two studies use a hamster mode! of SARS-Cove either an intra-nasal or intra-tracheal route to test of the eff during the ensuing infection. The hamsters are euthanized signs of respiratory distress.	sters as a model for human feosinophils and some cyt ters are euthanized if they V-2 (Covid-19). Hamsters ficacy of candidate vaccine d if they lose 20% of their bo providing the approp ere the animal exper ti-inflammatory analgesia rould change gastrointes ammatory analgesia is pro ody plethysmography is	okines that ameliorate the lose 20% or more of their body weight are given SARS CoV-2 by s or therapeutic treatments ody weight or show severe priate anesthetics, analgesics ienced accompanying pain o a is provided as this is a study that tinal motility. vided during that time as this is a study performed to
There are three studies of infectious diseases that use ham enterotoxogenicClostr!dium difficile examining the role o clinical symptoms of diarrhea and dehydration. The hams during the course of infection. The second two studies use a hamster mode! of SARS-CoV either an intra-nasal or intra-tracheal route to test of the eff during the ensuing infection. The hamsters are euthanized signs of respiratory distress. 5. Provide the scientific justification for not p 5. Provide the scientific justification for not p 6. Provide the scientific justification for not p 6. Provide the scientific justification for not p 7. tranquilizing drugs during procedures whe 1. the <i>Clostridium difficile</i> experiments no non-steroidal and quantifies inflammation, and administering opioids w In the SARS CoV-2 experiments no non-steroidal anti-infla that quantifies pulmonary inflammation, and whole be quantify components of breathing and administering 7. What, if any, Federal regulations require th 6. ederal Regulations (CFR) title number, and 1 1.3, 102):	sters as a model for human feosinophils and some cyt ters are euthanized if they V-2 (Covid-19). Hamsters ficacy of candidate vaccine d if they lose 20% of their bo roviding the approp ere the animal exper ti-inflammatory analgesia rould change gastrointes ammatory analgesia is pro ody plethysmography is g opioids would depress	okines that ameliorate the lose 20% or more of their body weight are given SARS CoV-2 by s or therapeutic treatments ody weight or show severe riate anesthetics, analgesics ienced accompanying pain of a is provided as this is a study that tinal motility. vided during that time as this is a study performed to respiration.
There are three studies of infectious diseases that use ham enterotoxogenicClostr!dium difficile examining the role o clinical symptoms of diarrhea and dehydration. The hams during the course of infection. The second two studies use a hamster mode! of SARS-Cove either an intra-nasal or intra-tracheal route to test of the effe during the ensuing infection. The hamsters are euthanized signs of respiratory distress. 5. Provide the scientific justification for not p or tranquilizing drugs during procedures whe distress greater than momentary or slight. In the <i>Clostridium difficile</i> experiments no non-steroidal an quantifies inflammation, and administering opioids w In the SARS CoV-2 experiments no non-steroidal anti-infla that quantifies pulmonary inflammation, and whole be quantify components of breathing and administering 7. What, if any, Federal regulations require th Federal Regulations (CFR) title number, and the	sters as a model for human feosinophils and some cyt ters are euthanized if they V-2 (Covid-19). Hamsters ficacy of candidate vaccine d if they lose 20% of their bo roviding the approp ere the animal exper ti-inflammatory analgesia rould change gastrointes ammatory analgesia is pro ody plethysmography is g opioids would depress	okines that ameliorate the lose 20% or more of their body weight are given SARS CoV-2 by s or therapeutic treatments ody weight or show severe riate anesthetics, analgesics ienced accompanying pain o a is provided as this is a study that tinal motility. vided during that time as this is a study performed to respiration.

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		Fiscal year:
	EALTH INSPECTION	SERVICE
	E Explanation	
This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §	2.36). Failure to report accordings and desist.	ng to the regulations can result in an order t
1. REGISTRATION NUMBER	2. Research Facility Headquarters address University of Virginia, Office of VP for Research P.0. Box 400301 Charlottesville, VA 22904 4. Species (common name) of animals used in the study. Pig	
52-R-0011		
3. Number of animals used in the study.		
5. Explain the procedure producing pain and This study is mapping the pain pathway of swine from t and midbrain. Once specific pain pathways are identifi non-invasive manner to do some brain procedures. This perception.	he periphery to the reticula ied, they are lesioned using	focused ultrasound, which is a
5. Explain the procedure producing pain and This study is mapping the pain pathway of swine from t and midbrain. Once specific pain pathways are identifi non-invasive manner to do some brain procedures. Thi	he periphery to the reticula ied, they are lesioned using	focused ultrasound, which is a
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5. Explain the procedure producing pain and This study is mapping the pain pathway of swine from t and midbrain. Once specific pain pathways are identifi non-invasive manner to do some brain procedures. Thi	the periphery to the reticula ied, they are lesioned using is is being tested as a metho providing the approp nere the animal exper	focused ultrasound, which is a od to interfere with chronic pain riate anesthetics, analgesics ienced accompanying pain o
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 5. Explain the procedure producing pain and This study is mapping the pain pathway of swine from t and midbrain. Once specific pain pathways are identifin non-invasive manner to do some brain procedures. This perception. 6. Provide the scientific justification for not or tranquilizing drugs during procedures while distress greater than momentary or slight. 7. Since the intent of the study is to map pain pathways ins directly interfere with the mapping procedure. 7. What, if any, Federal regulations require t Federal Regulations (CFR) title number, and 	the periphery to the reticulation of the periphery to the reticulation of the design of the second using is is being tested as a method of the second providing the appropriate the animal experimentation of the second non-second non	focused ultrasound, which is a od to interfere with chronic pain priate anesthetics, analgesics ienced accompanying pain o steroidal anti-inflammatory drugs