Optional Column E Explanation Form

55R0005

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Name, 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 N	umber: 55-R	-0005					
2.	Number	99		_of animals	used in this study			
3.	Species (comn	non name)	Rabbit	of anii	mals used in this study			
4.	Explain the procedure producing pain and/or distress.							
inj lim nec age mo bas ter atn	ected with a test bus, an area contended to ent may be instantioned for evidual his sed on iridal his mination (up to	t reagent (LPS) ontaining very a glass Hami tilled or intradence of inflat typeremia and 48 hours).	S; 10ng in 10- few nerve en lton syringe. witreally inje nmation at val d aqueous fla Animals are	-50 µl) approadings. Injection In some cas reted (total vertical vertical vertical to determinated by	ye of rabbits is intravitreal eximately 3 mm posterior to the cions are made with a 30-guages, at the time an experiment colume of 50µl). Animals a natervals with a slit lamp (score mine the appropriate time for exposure to a saturated CC and tissues processed for	ne ge al re es or		
5.	methods or me	eans used to	determine tha	it pain and/or	ss could not be relieved. Star distress relief would interfe question 6 below)	te re		
The contains and students (10 mg)	ne use of addition introls. Investigual gesics in their discrete in their discrete in the inflamm of the inflam	onal animals to ators in the lit r studies. The drugs would natory respons ompared to m	e evaluate the erature utilizing use of anti- egate our stude in the eye.	ese substances ing this same inflammatory dies, since th Also, the do n the literatu	ammation that we are studying swould need to be included animal model do not use oping drugs such as corticosterious purpose of our research is ose of endotoxin that we injurie (10-100mg), and induces use to eat and do not become	as od ds to ect a		
6.	What, if any, of Federal Re APHIS, 9 CFF	gulations (CF	ntions require FR) title num	this procedulaber and the	are? Cite the agency, the Coo specific section number (e.	de 3.,		
	Agency	N/A		CFR	N/A			

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1.	Registration Numbe	er: 55-R-0005		•					
2.	Number	4	of animals used in	this study					
3.	Species (common na	ame)Pigs	of animals use	ed in this study					
4.	Explain the procedure producing pain and/or distress.								
4 pigs were experimentally infected with either <u>Salmonella typhi</u> or <u>Salmonella choleraesuis</u> . Those infected with <u>S. choleraesuis</u> (3) developed signs of salmonellosis. Those infected with <u>S. typhi</u> showed no signs of distress.									
5.	methods or means	ustification why pain a used to determine tha or Federally mandated	t pain and/or distress	not be relieved. State relief would interfere 6 below)					
Experimental infections were employed to better understand a disease process in a normal animal. This included signs of infection and disease. Consequently we could not alleviate pain or distress without jeopardizing understanding. Also, the action of some analgesics would alter the normal course of the actual infection. By examining relatively few animals for signs of infection, we were able to draw very confident conclusions as to the sustability of pigs for modeling disease caused by <u>S. typhi</u> .									
6.	What, if any, Feder of Federal Regulati APHIS, 9 CFR 113.	ions (CFR) title num	this procedure? Cit- ber and the specific	e the agency, the Code section number (e.g.,					
	Agancy	N/A	CFR	N/A					