## Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, 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 Number: 22-V-0003
2.	Numberof animals used in this study: 28
3.	Species (common name)of animals used in the study: Hartley guinea pigs
4.	Explain the procedure producing pain and/or distress.
st	he animals are exposed to very loud sound stimuli (up to 145 dB) and/or exposed to 100, 10-ms electrical imulations of the orbicularis muscle (per training session) that causes these muscle to contract (eliciting an aconditional blink – which is required for eyeblink conditioning).
de	Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to atermine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see em 6 below)
di e) bi	Ithough these stimuli may be momentarily painful and aversive, they are either extremely very short in uration (10 ms) despite multiple presentations (eyeblink) or involve a single 4 min maximum duration sposure. In both cases, an awake behaving animal is required because anesthesia will not allow for the shavior to be emitted (eyeblink procedure) and will influence how the cochlea hair cells respond to the bund stimuli.
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 CFR113.102):
	Agency CFR

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