

Column E Explanation

1. Registration number: 74-R-0066
Customer number: 1472
2. 26 number of animals categorized as column E used in this study.
3. Rabbits are used in this study. *NP 1/15/18*
4. The rabbits are tested for the recovery of pain and temperature axons with topical capsaicin on the dorsal aspect of the foot over a small area of a dermatome normally innervated by the peroneal nerve. Capsaicin causes irritation, moderate pain, and produces a licking response. Capsaicin is needed as it binds selectively to the TRPV-1 channels in the C-fibers and serves as a specific indicator of pain and temperature regeneration. The rabbits will lick the area affected by the capsaicin and the total "lick" time recorded is then a quantitative measurement of the sensory perception in that area.
5. Anesthetics and analgesics cannot be used as activation of pain fibers, that when perceived by the animals' results in a licking behavior, is being recorded and used as a quantitative measurement.
6. NIH R43 NS089341-01A1

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