## Cochlear function in CBA/CaJ mice following inhalation of brevetoxin-3

Benson JM, Stagner BB, Martin GK, Friedman M, Durr SE, Gomez A, McDonald J, *Fleming LE*, Backer LC, Bourdelais A, Naar J, Baden DG, Lonsbury-Martin BL.

Brevetoxin-3 was shown previously to adversely affect central auditory function in goldfish. The present study evaluated the effects of exposure to this agent on cochlear function in mice using the 2f(1)-f(2) distortion-product otoacoustic emission (DPOAE). Towards this end, inbred CBA/CaJ mice were exposed to a relatively high concentration of brevetoxin-3 (approximately=400 microg/m(3)) by nose-only inhalation for a 2-h period. Further, a subset of these mice received a second exposure a day later that lasted for an additional 4 h. Mice exposed only once for 2 h did not exhibit any notable cochlear effects. Similarly, mice exposed two times, for a cumulative dose of 6 h, exhibited essentially no change in DPOAE levels.

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