

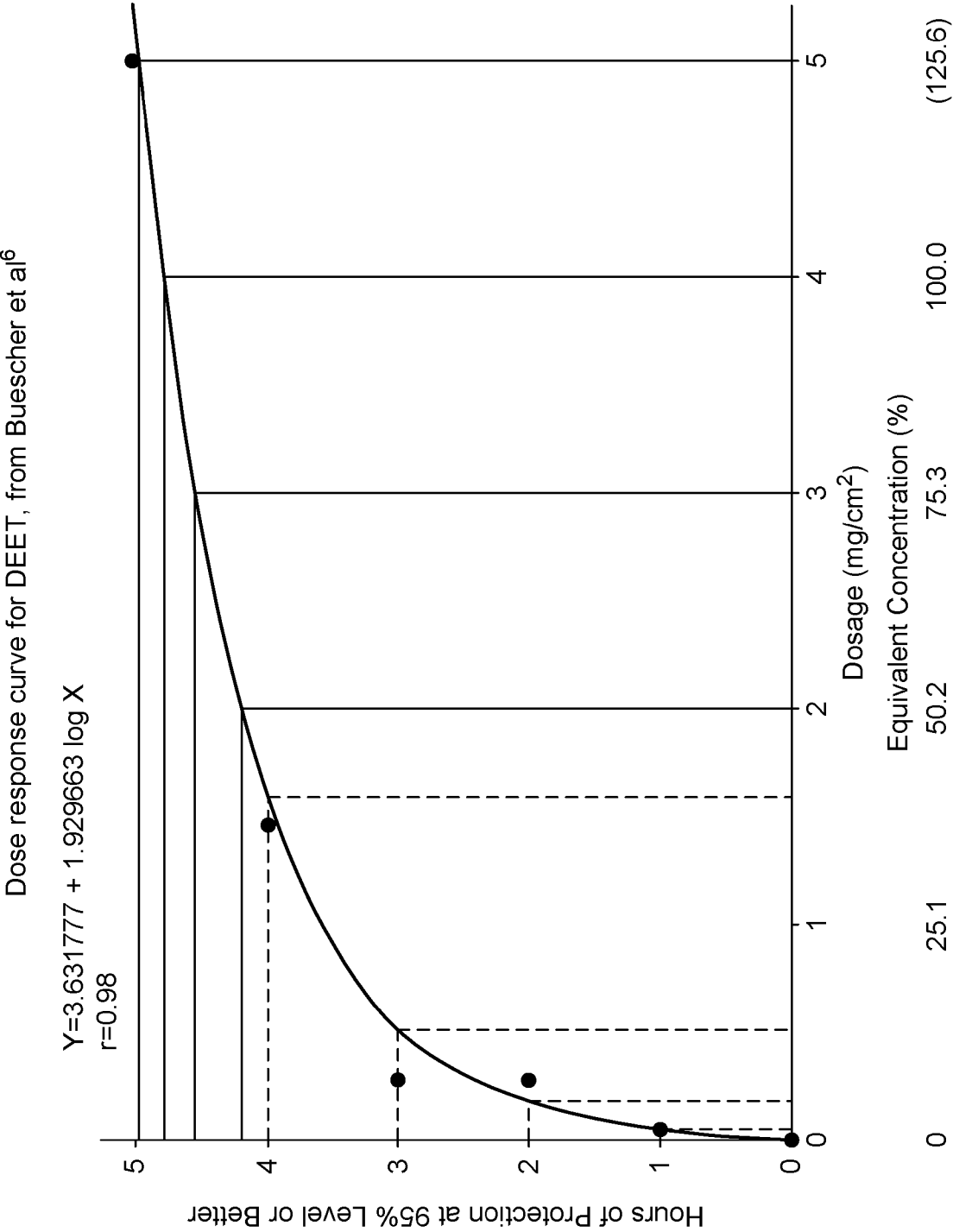


FIG. 1

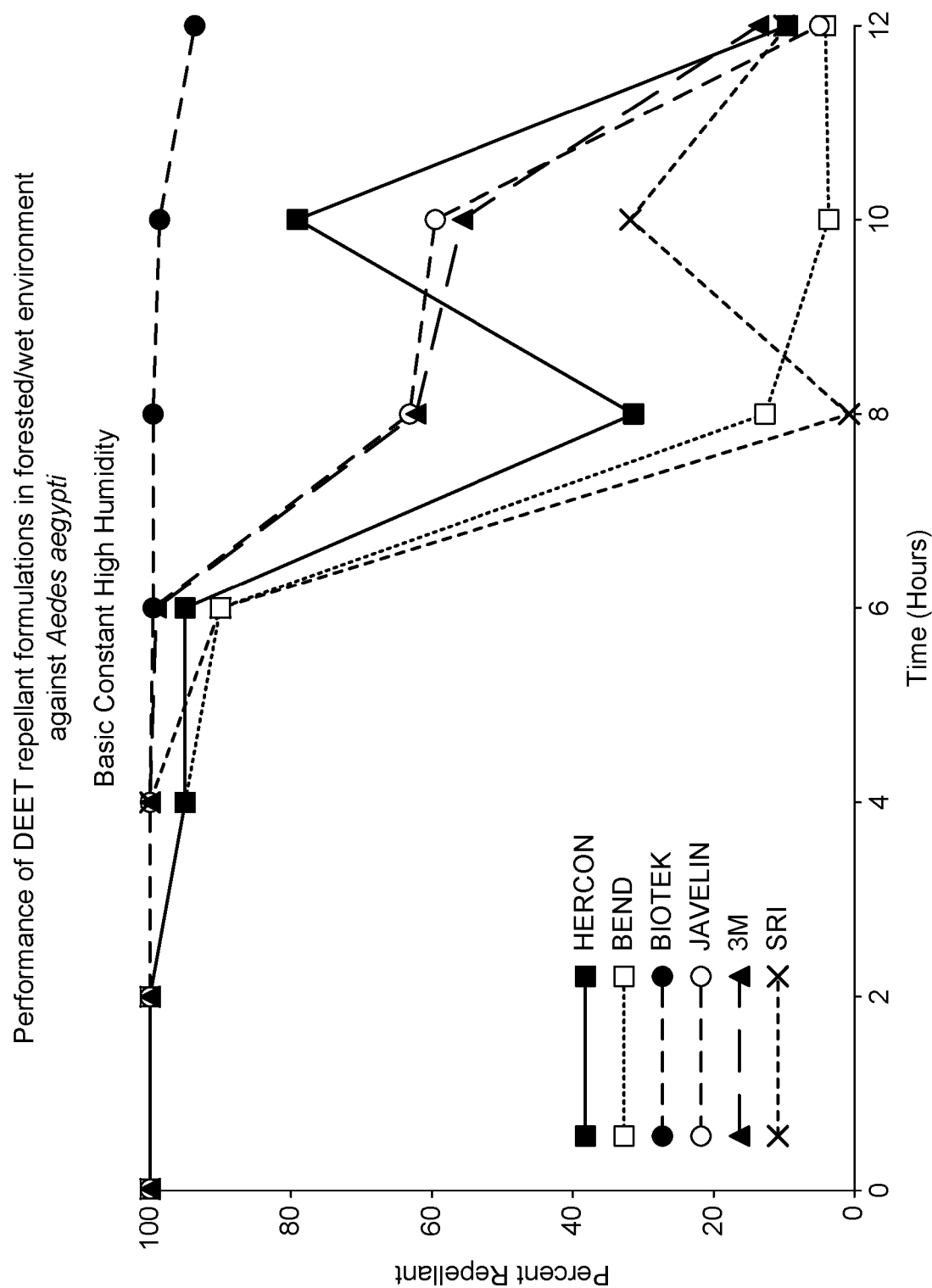


FIG. 2

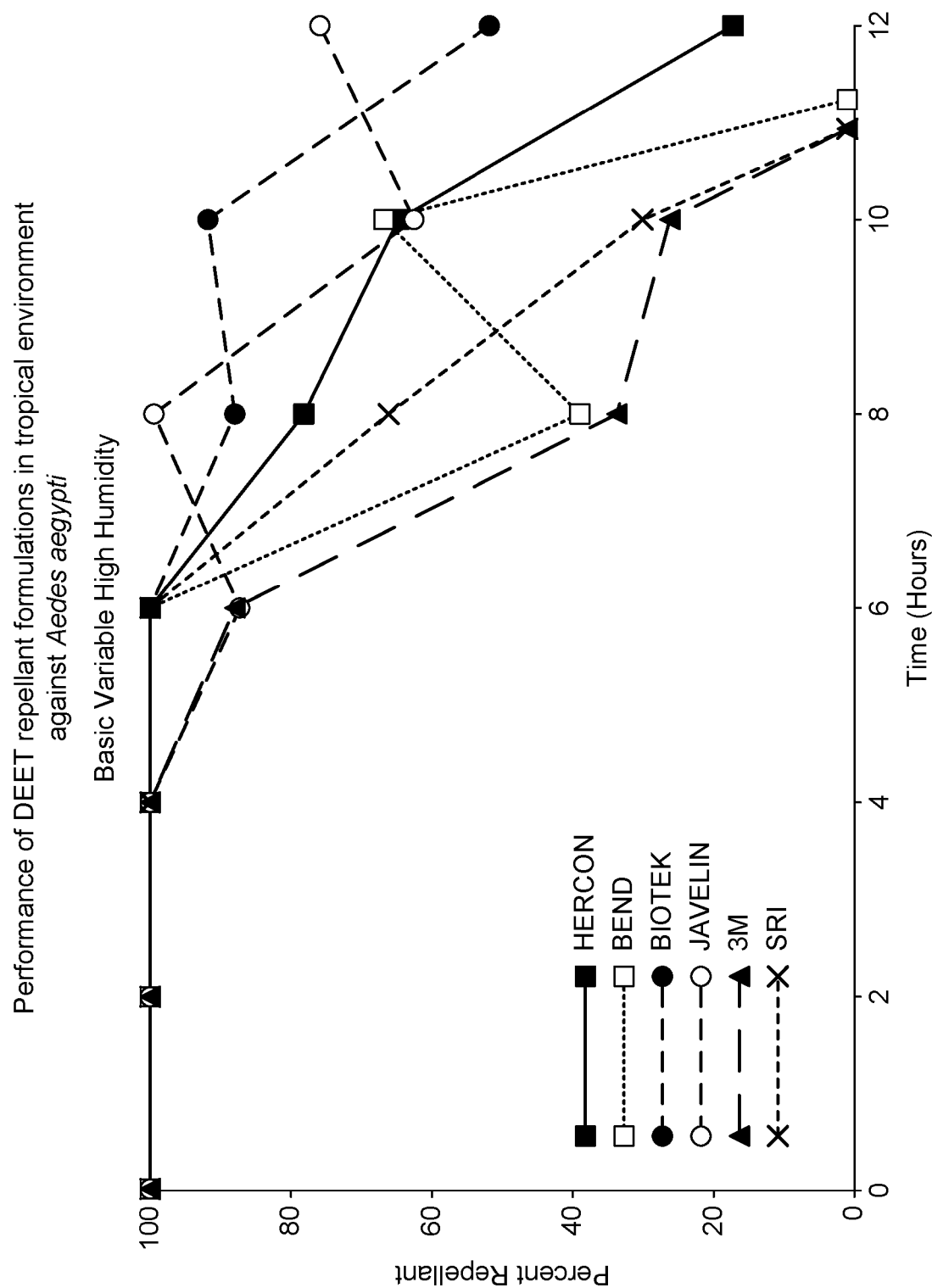


FIG. 3

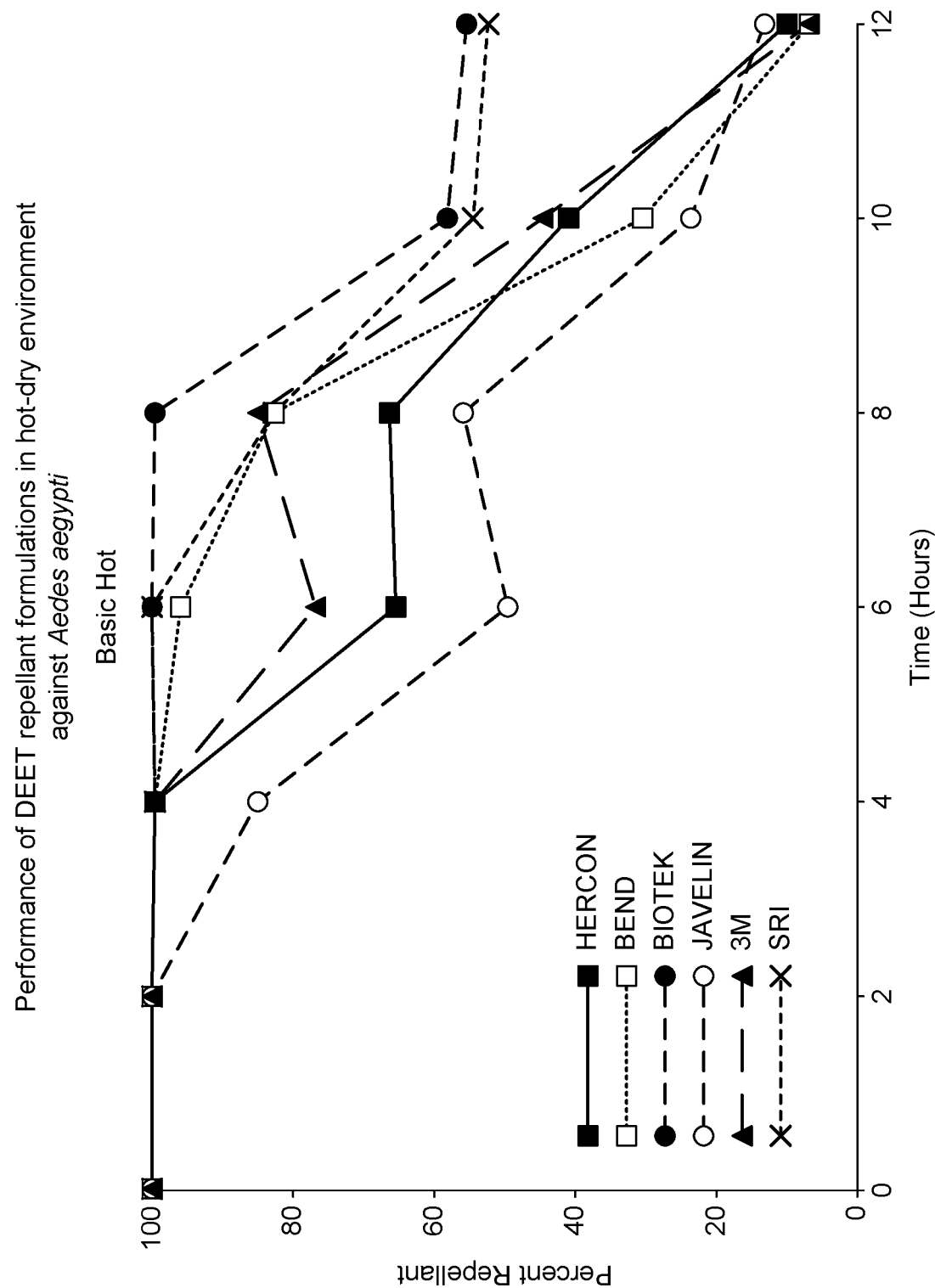


FIG. 4

TGA curves of the evaporation rate of DEET (1), PMD (2), modified *Eucalyptus citriodora* oil (3), *E. citriodora* oil (4) and pure (+)-citronellal (5) under nitrogen atmosphere at $33^{\circ}\text{C} \pm 1^{\circ}\text{C}$. The vertical lines represent the protection time obtained from the repellent study for the DEET solution (1'), the PMD solution at 20 wt% and 13 wt% (2'-2''), the modified oil (3') and the pure *E. citriodora* oil (4').

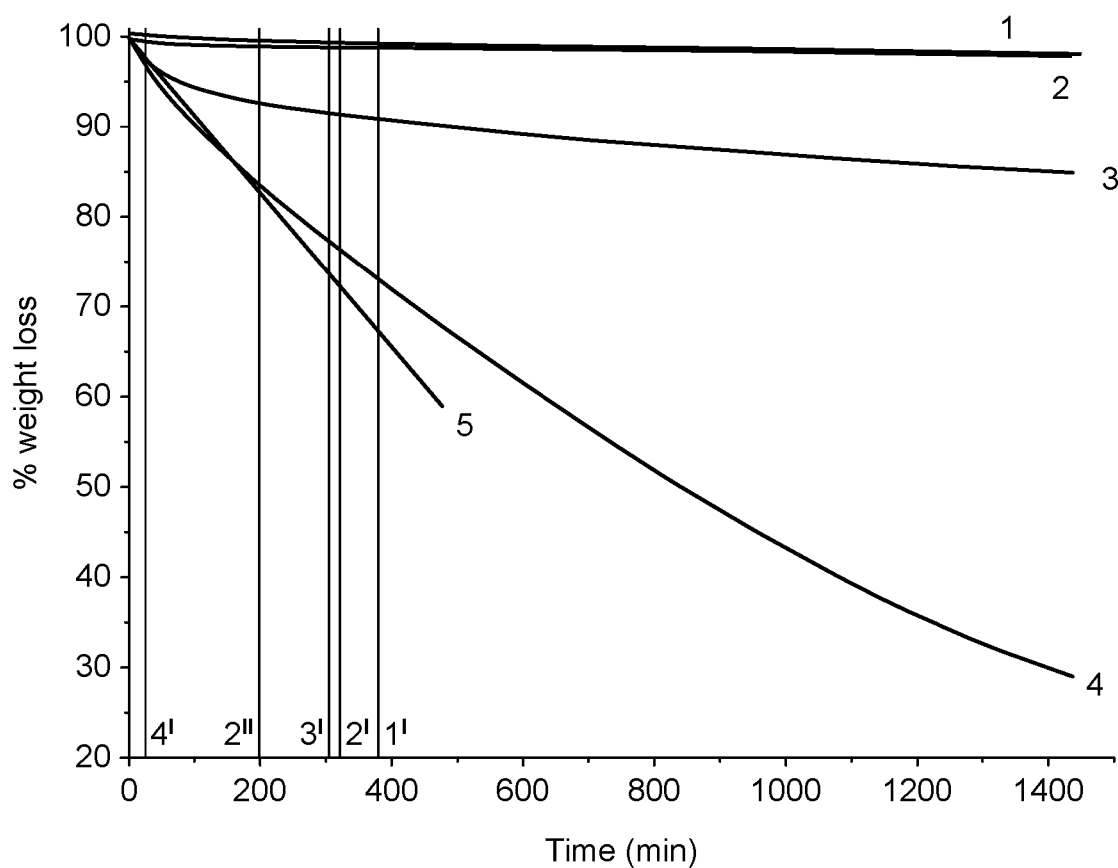


FIG. 5

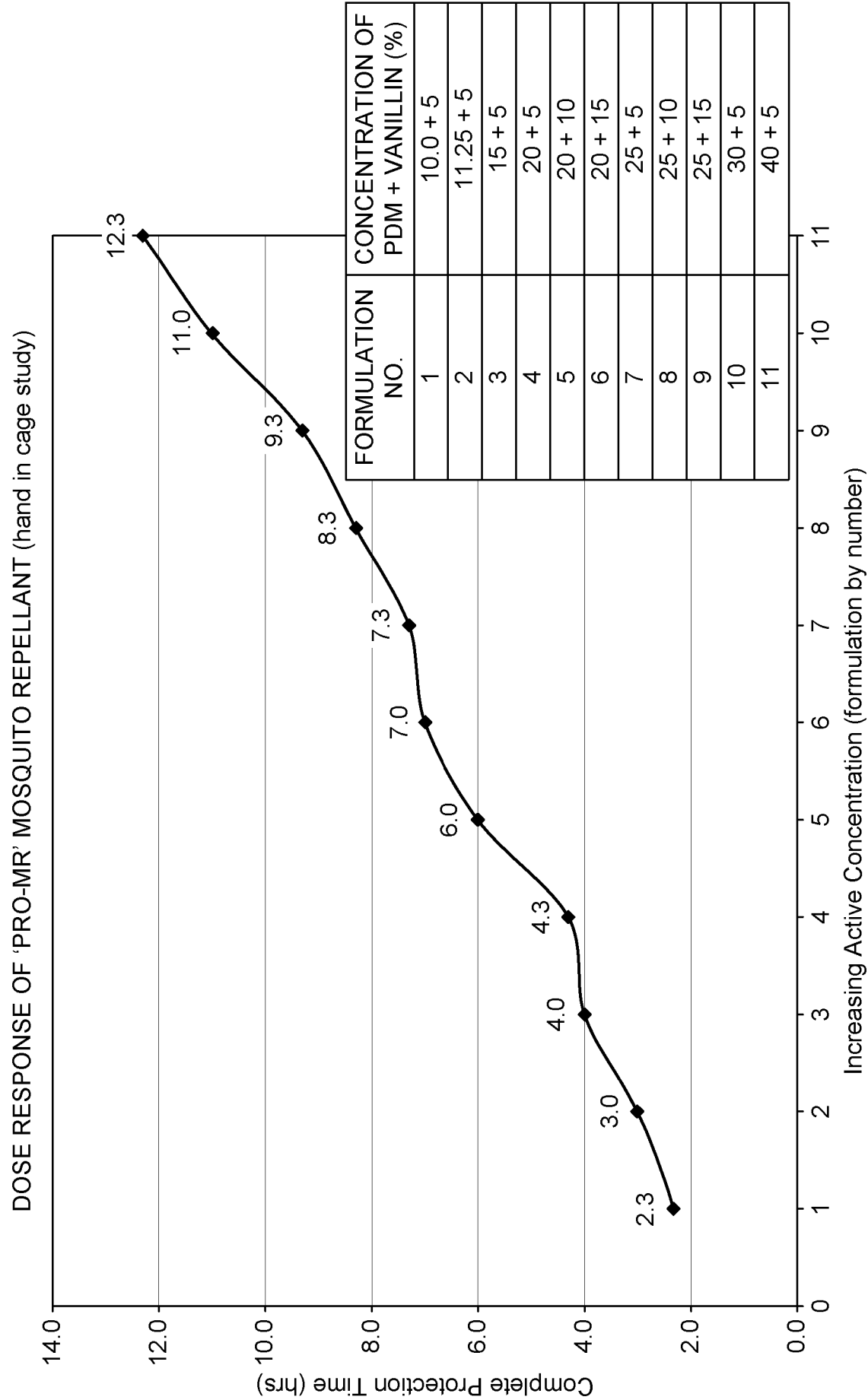


FIG. 6

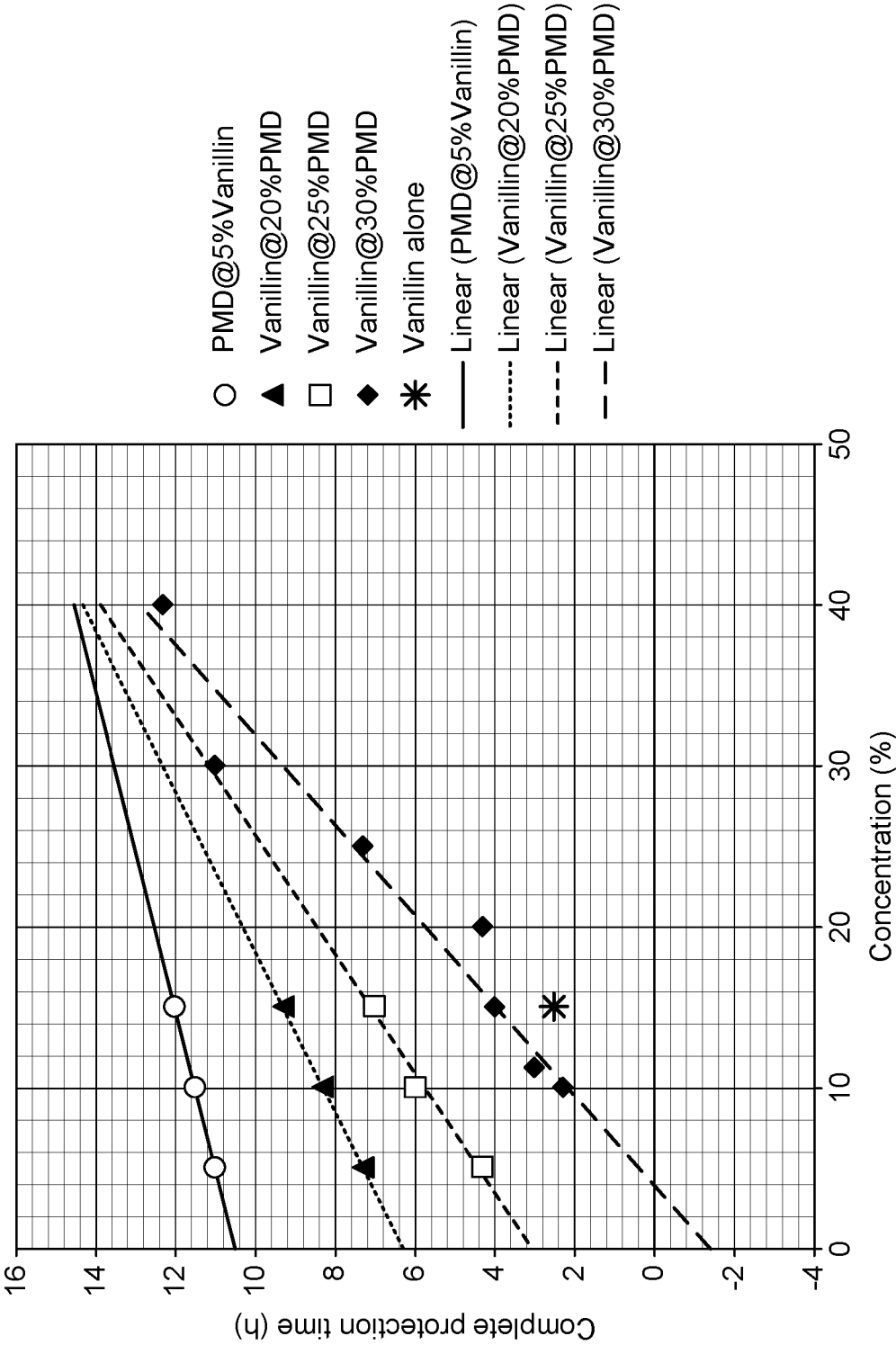


FIG. 7

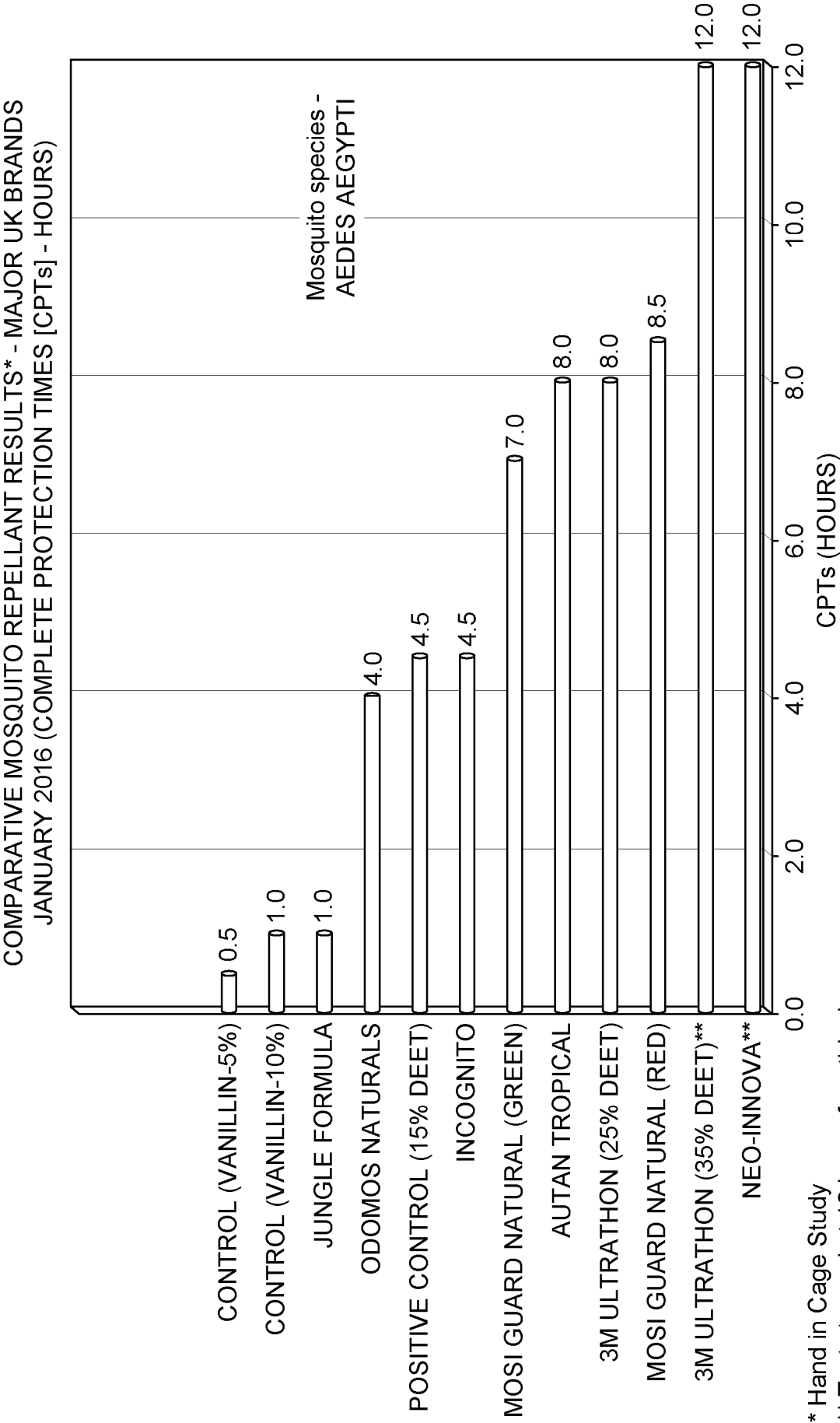


FIG. 8

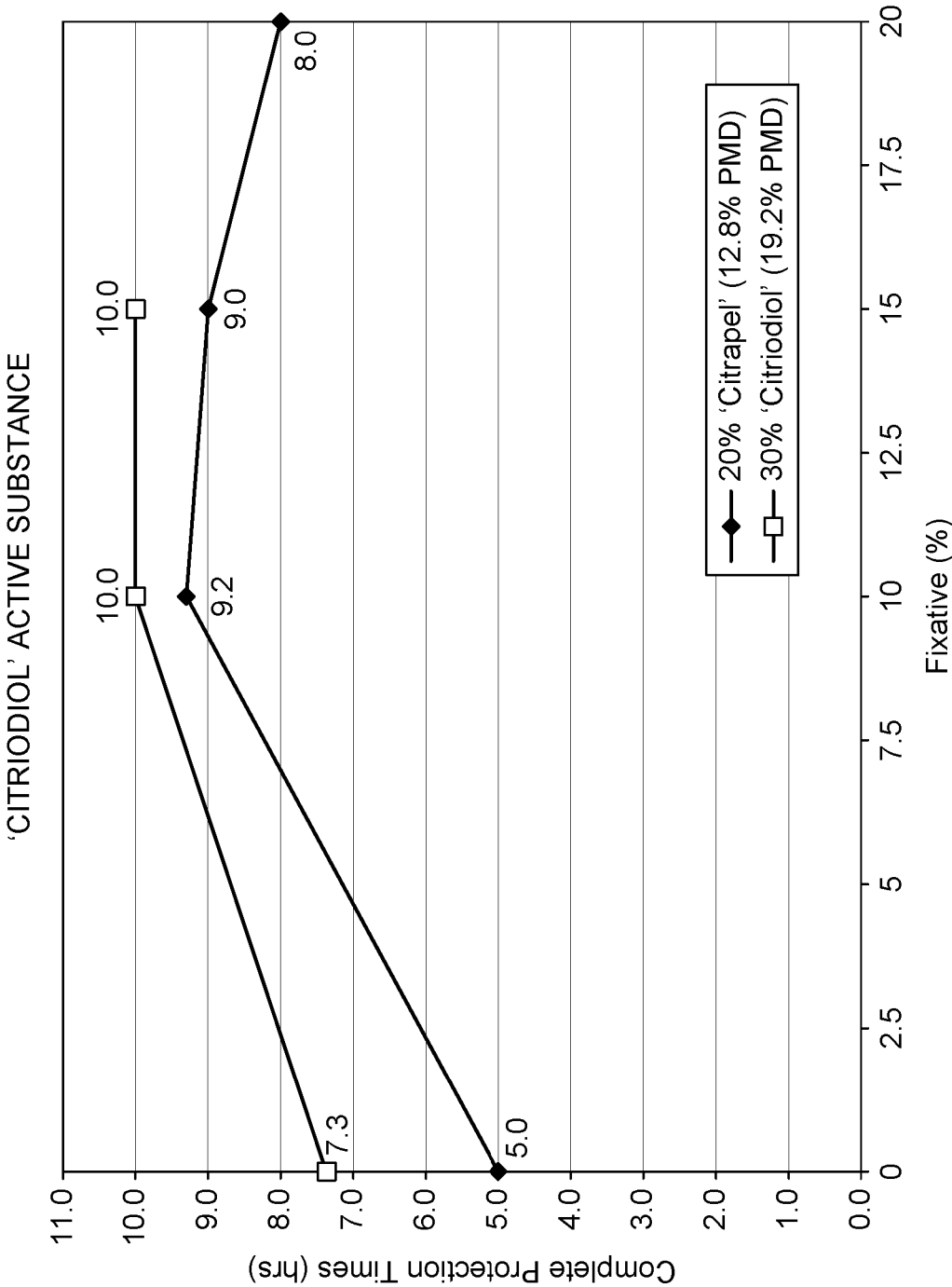


FIG. 9

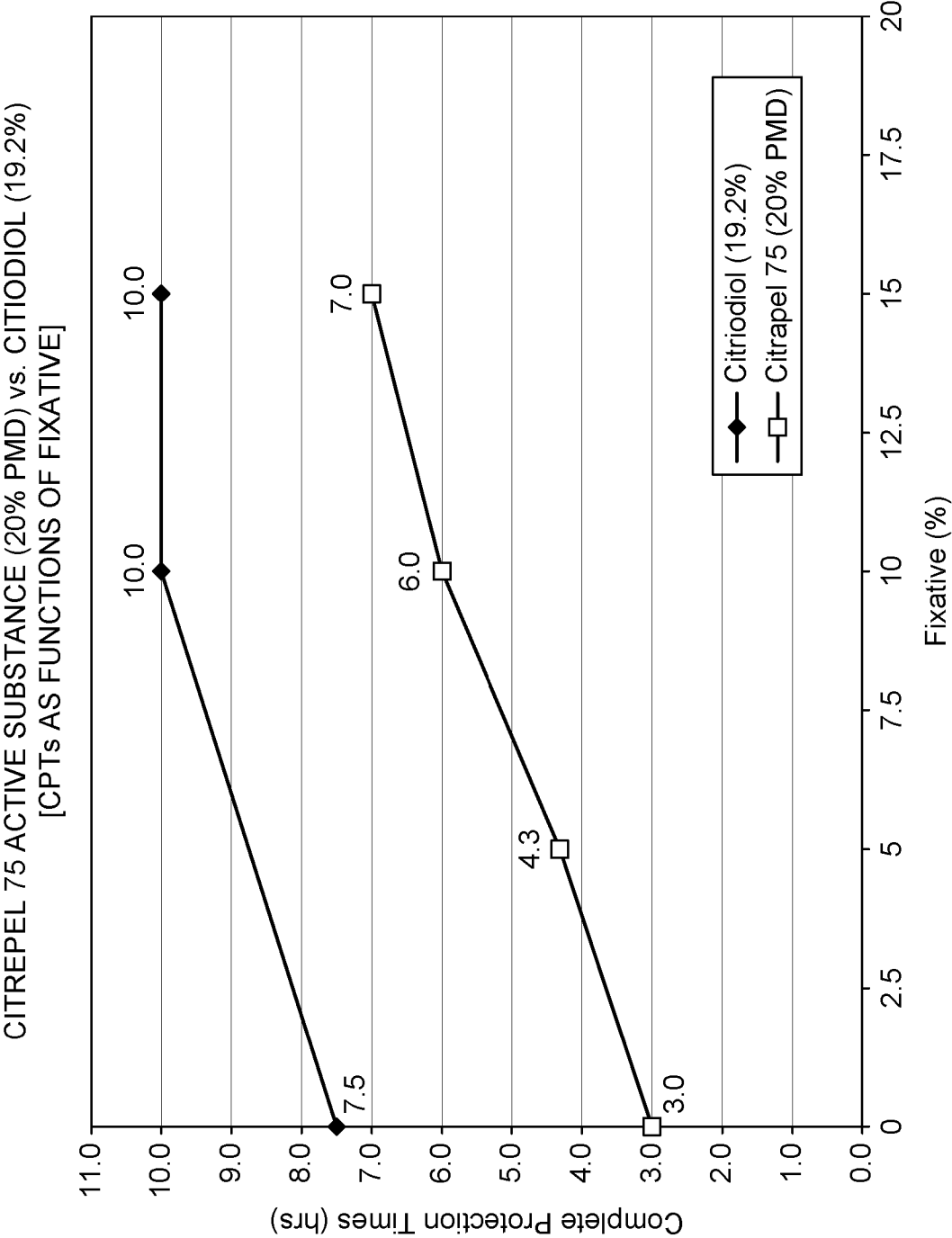


FIG. 10

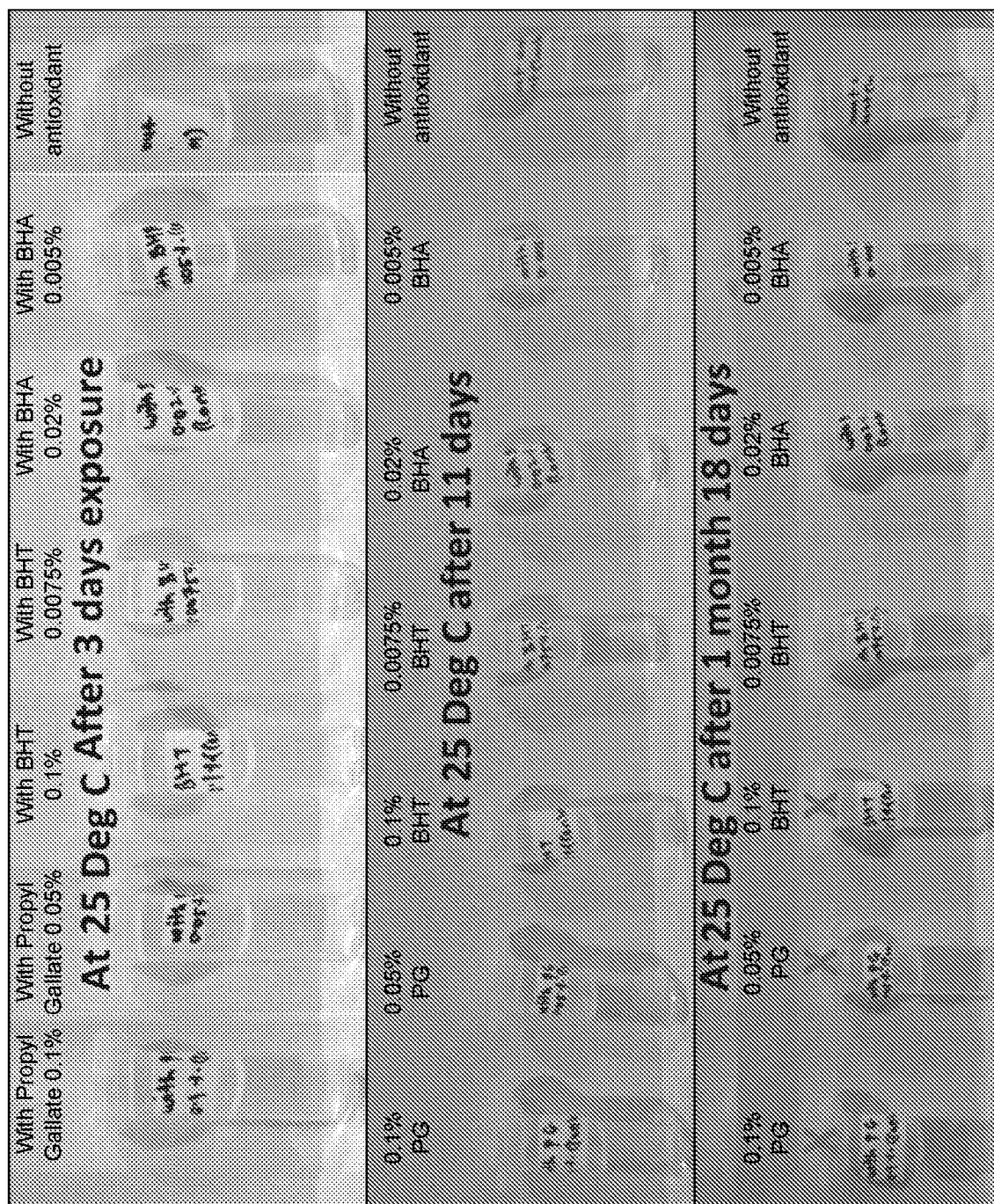


FIG. 11

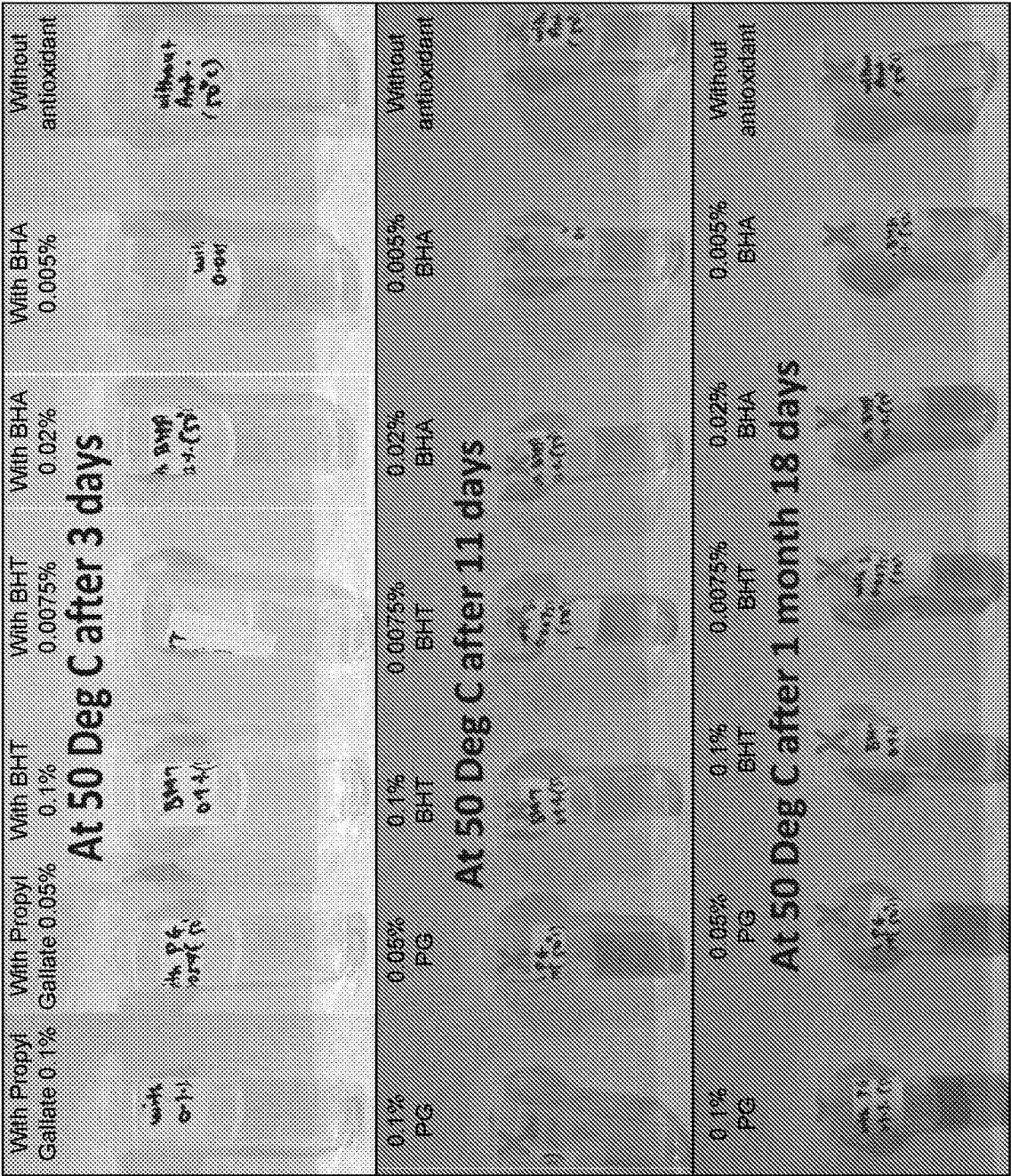


FIG. 12



FIG. 13

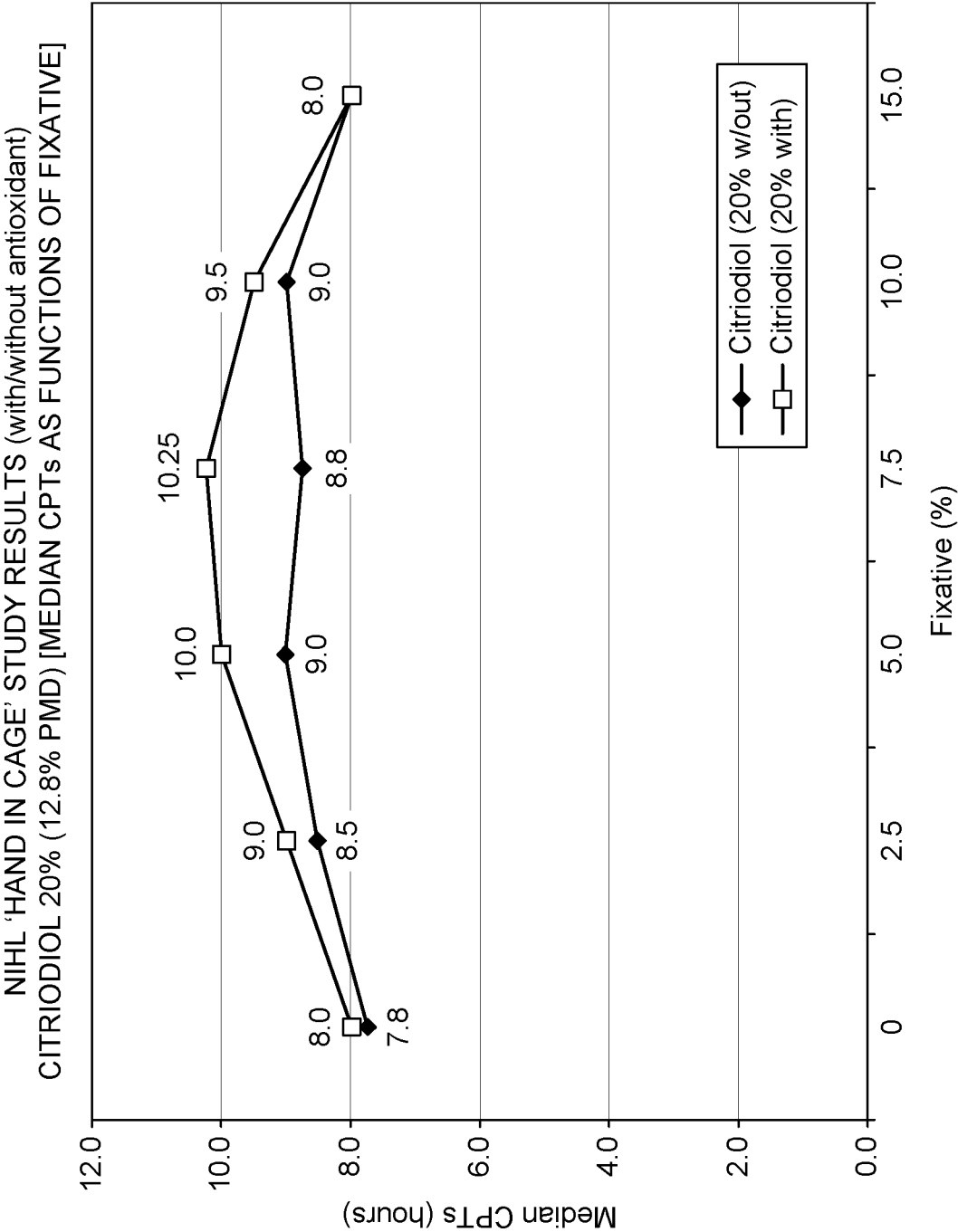


FIG. 14

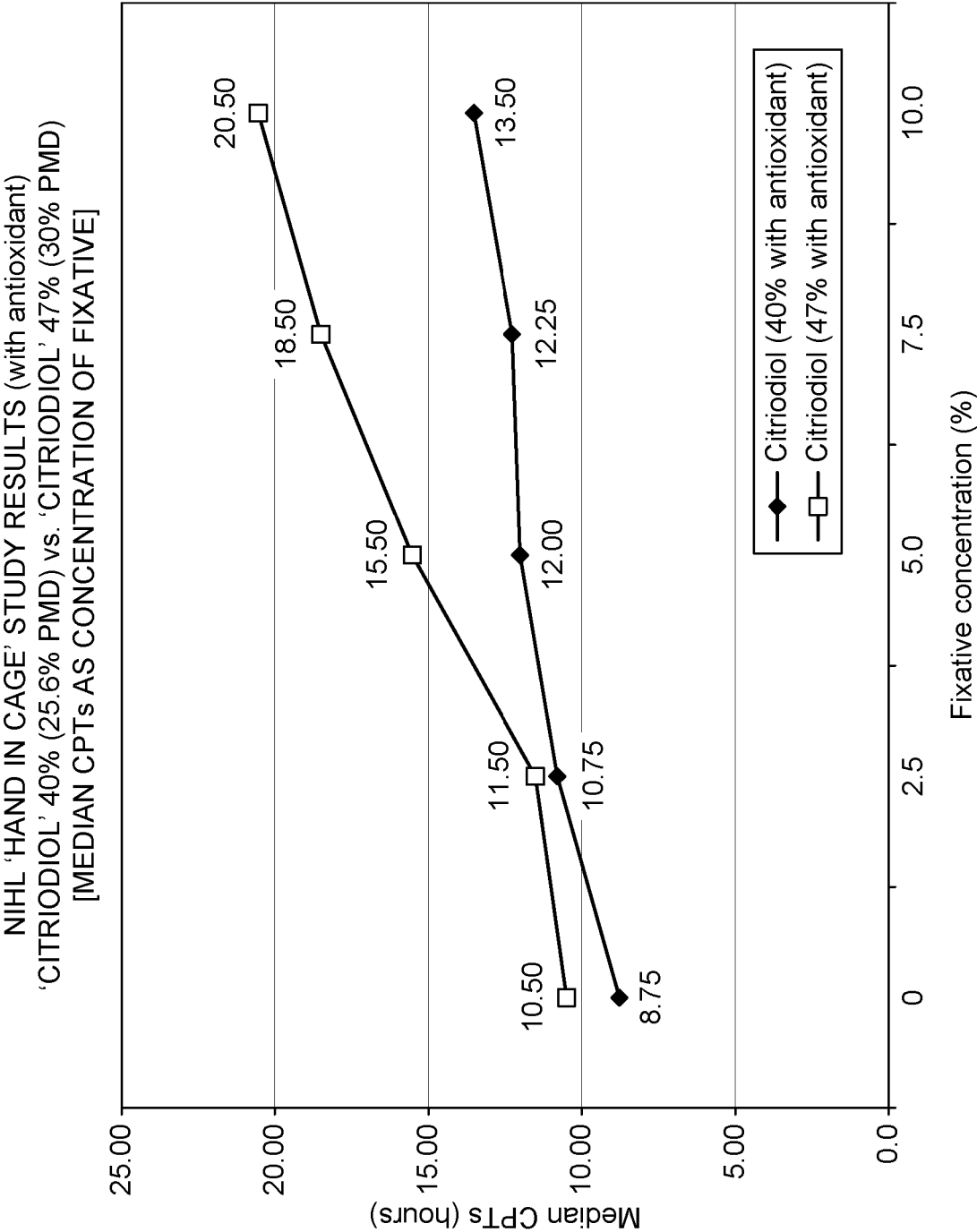
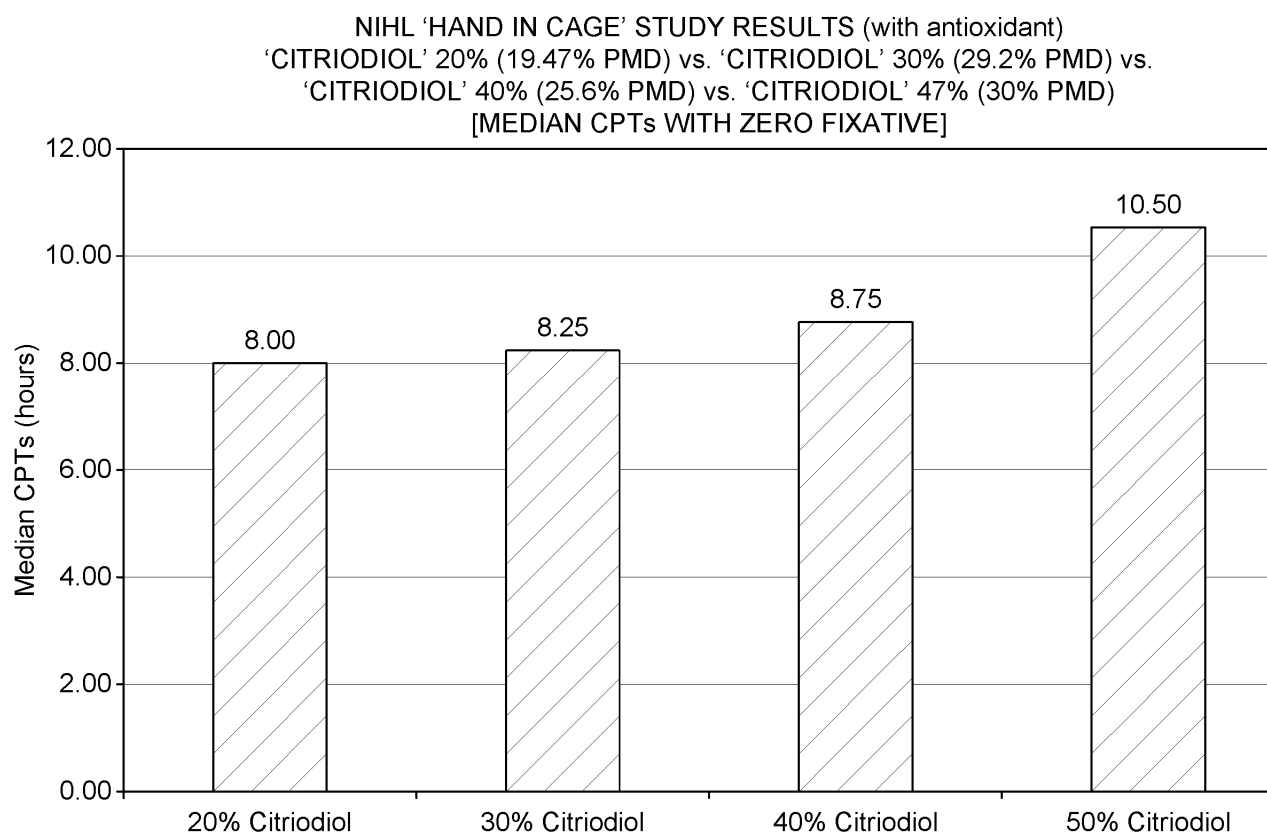


FIG. 15

**FIG. 16**

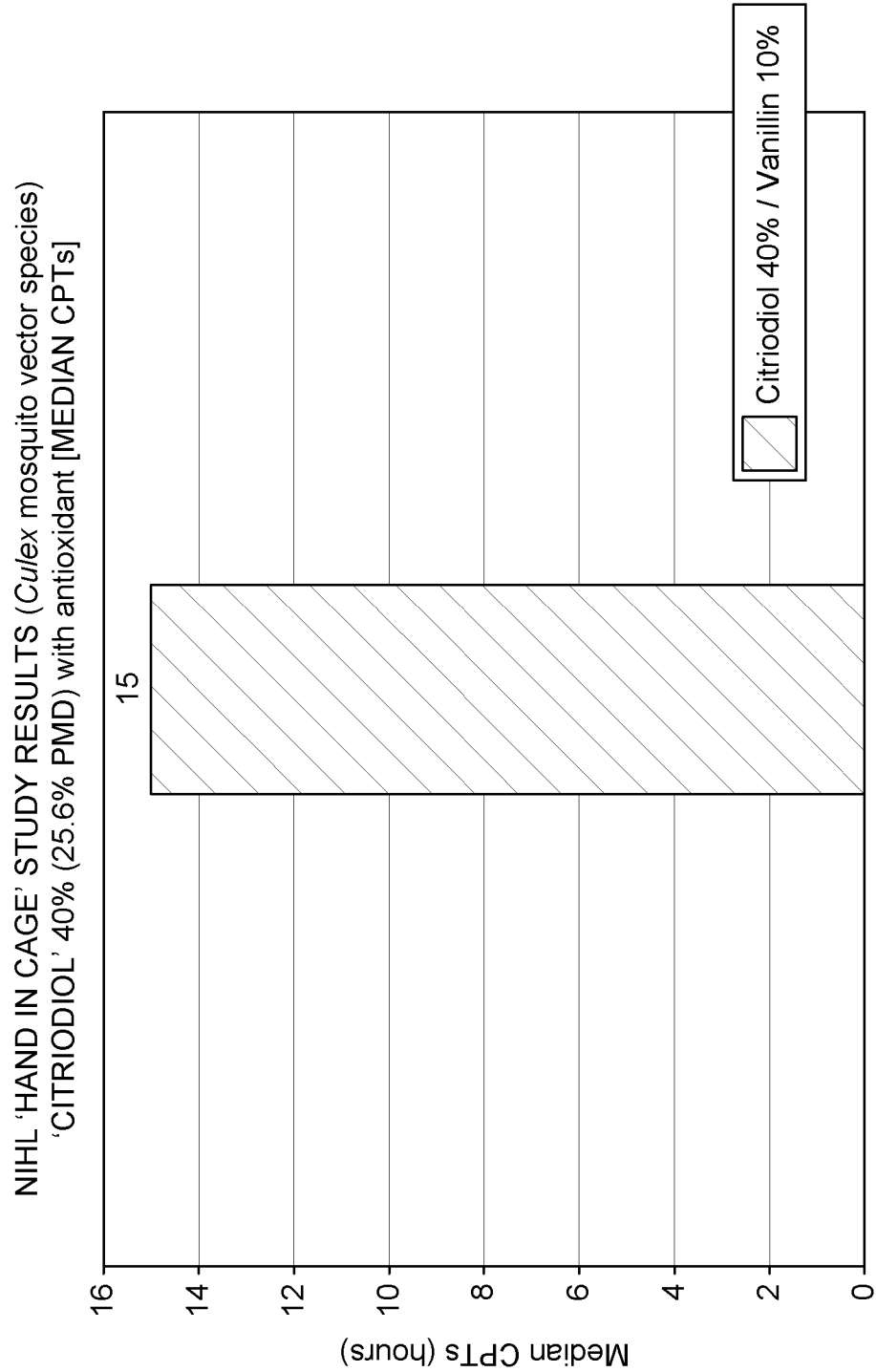


FIG. 17