

with
Vibramycin
doxycycline

antibacterial effect demonstrated
in experimental animal studies²

Survival Time Studies in mice reflect rapid therapeutic concentrations of Vibramycin in the critical first hour of therapy.

the test:

1. Hundreds of mice were inoculated with an amount of bacteria that was known to be lethal without treatment (either Staph. aureus or Past. multocida). The two groups were kept separate.
2. At one-half hour after the lethal inoculation, four groups of 10 mice each were taken from each group and an antibiotic was orally administered. The antibiotics given and the dosage administered are listed below.
3. The same procedure was followed at 1 hour after the lethal inoculation and at intervals as indicated on the charts.
4. After a waiting period of 4 days, the animals surviving in each group were noted.
5. From the percentage of animals surviving at the various time intervals between the inoculation of the lethal quantity of bacteria and the oral administration of each antibiotic, the Survival Time₅₀ was calculated. (Survival Time₅₀ is that time at which, with the dosage administered, 50 per cent of the animals would have survived.)