

keyword



fungal keratitis

corneal opacity

inflammation

eye drops



Official website

Fungal keratitis model

We would like to introduce our *in vivo* infection tests in the ophthalmology field.
Please feel free to contact us if you have any questions about the details.

Schedule and Method

Species: Rabbits (Kbl:NZW)

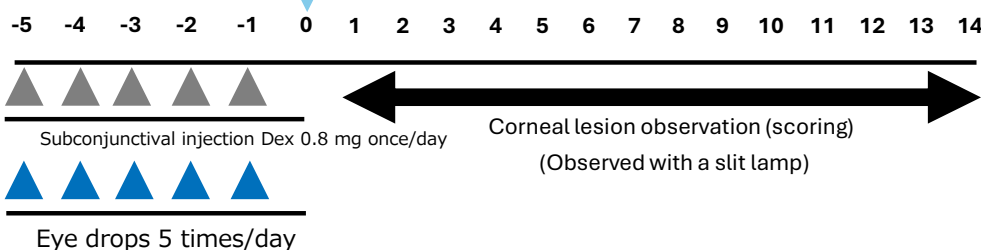
Positive control substance: Natamycin

Bacterial strain: *Fusarium solani* (NBRC 5890)

Inoculation method: The rabbit's right eyeball is dislocated by compressing with a medicine spoon, and the needle is inserted using a microsyringe from the epithelium to the stroma in the center of the cornea, and the fungus liquid is injected.

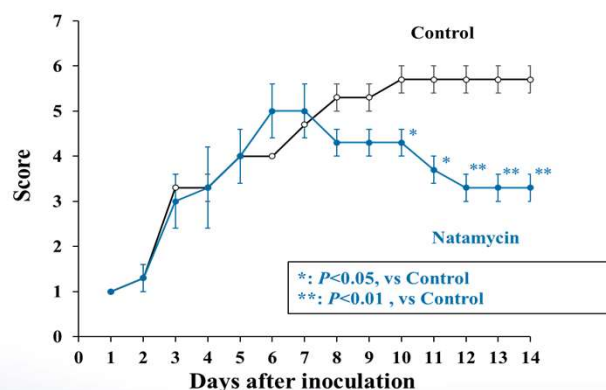
Test Schedule

Bacterial inoculation *F. solani*
7x10⁵, 10 uL, 34G needle



Evaluation and Results

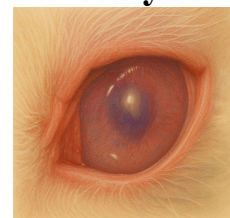
Evaluation item: Corneal lesion score



Control



Natamycin



10 days after inoculation

- After inoculation of the bacteria, the symptoms of corneal lesions worsened.
- Administration of natamycin reduced corneal lesion symptoms.