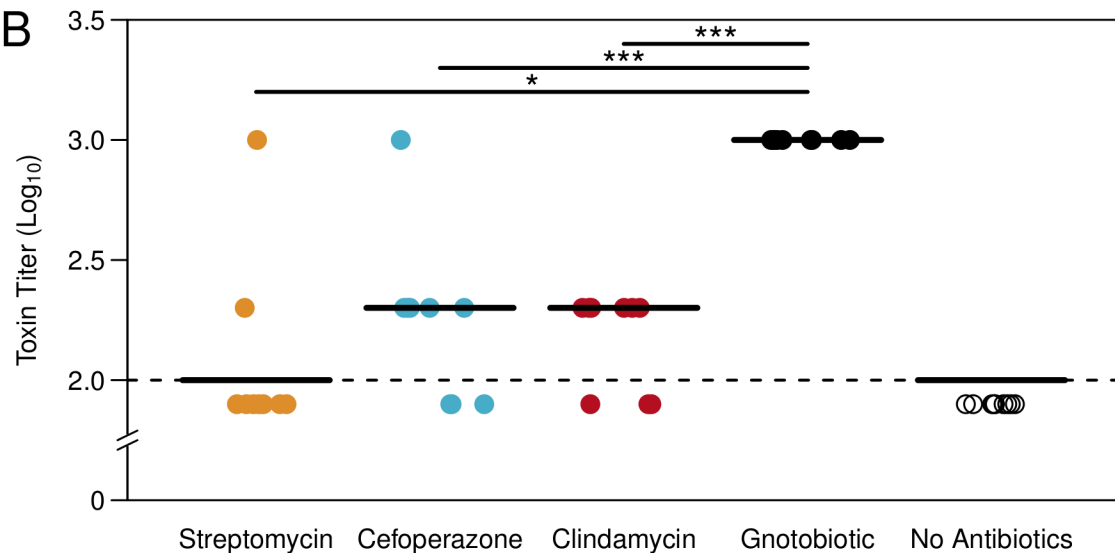


Experimental timeline diagram showing two groups: Cefoperazone or Streptomycin and Clindamycin. The Cefoperazone group starts antibiotics on Day -7, while the Clindamycin group starts on Day -1. Both groups receive spore gavage on Day 0 and are euthanized 18 hours later. A legend defines the symbols: purple bar for antibiotic in water, green triangle for IP injection, white triangle for *C. difficile* spore gavage, and black triangle for euthanasia and necropsy.



Vegetative CFU/g Cecal Content ( $\text{Log}_{10}$ )

Streptomycin Cefoperazone Clindamycin Gnotobiotic No Antibiotics

**D**

Spore CFU/g Cecal Content ( $\text{Log}_{10}$ )

Streptomycin Cefoperazone Clindamycin Gnotobiotic No Antibiotics

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