



## Intradermal coinfection of mice ears with *L. major* IA-2 and *Staphylococcus aureus* Newman strain [↗](#)

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### ABSTRACT

Cutaneous coinfection of bacteria with *Leishmania* species in mice provides a model for studying the immune effects of non-sterile inoculation of *Leishmania* protozoa. In this protocol, we describe a method for intradermal coinfection of mice ear pinnae with *Leishmania major* IA-2 and a low dose of *Staphylococcus aureus* Newman strain. This protocol describes the methods for *S. aureus* and *L. major* preparation, mixing, mouse anesthesia and intradermal injection as well as infection monitoring and euthanasia. This protocol can be modified for the co-inoculation of other bacterial or leishmanial species in mice.

### EXTERNAL LINK

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### THIS PROTOCOL ACCOMPANIES THE FOLLOWING PUBLICATION

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