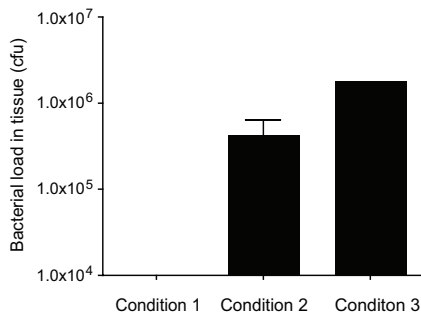
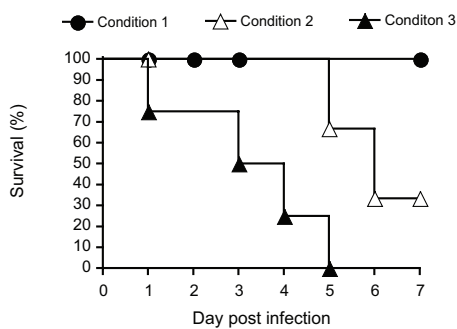


Listeriosis:

Listeriosis, known to be caused by infection with the gram positive bacteria, *Listeria monocytogenes*, is commonly found in soil, water and food. The infection can spread to the nervous system and cause meningitis, and infect the fetus by penetrating the endothelial layer of the placenta. Listeria is an opportunistic pathogen that is most prevalent in the elderly, pregnant mothers and AIDS patients. Mice are susceptible to Listeria infection, and provide a useful model for the assessment of anti-bacterial compounds.



Experimental models and readouts:

- Multiple routes of administration available
- Bacterial load in tissue
- Measurement of inflammatory cytokines
- Histology
- Survival
- Number and effector function of inflammatory cell infiltrates

Duration:

3-10 days dependent upon experimental model and readouts

Our scientific project managers can provide expert advice and guidance for all of your efficacy studies.

Please contact us for customized Service Packages
info@preclinbiosystems.com

Service Package I

- Administration of test compounds
- Infection with *Listeria monocytogenes*
- Assessment of bacterial load in tissues

Service Package II

- Assessment of specific T cell response
- Histological analysis of granuloma formation

Service Package III

- Analysis of macrophage function
- Tissue cytokine and chemokine analysis