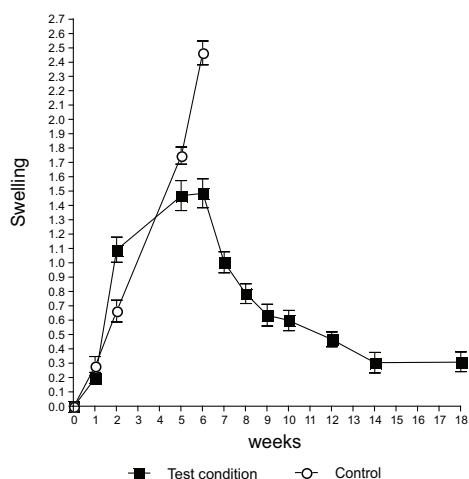


## Leishmaniasis

Leishmania major is a protozoan parasite infecting the skin of humans and rodents. The disease Leishmaniasis affects the populations of 88 countries worldwide and current World Health Organization estimates report 12 million people are infected with an annual incidence of two million. Leishmania can be subdivided into three categories: Cutaneous, Mucosal and Visceral Leishmaniasis. The cutaneous forms of the disease normally produce skin ulcers on the exposed parts of the body such as the face, arms and legs. In mucocutaneous forms of leishmaniasis, lesions can lead to partial or total destruction of the mucous membranes of the nose, mouth and throat cavities and surrounding tissues. Whilst Visceral leishmaniasis is characterized by fever, substantial weight loss, and swelling of the spleen and liver.



## Experimental readouts:

- Footpad swelling
- Parasite load and dissemination
- Quantitative PCR analysis of tissue cytokines and chemokines

## Duration:

7-140 days dependent upon experimental readouts

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

**Please contact us for customized Service Packages**  
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Service Package I is available alone, or in combination with Service Packages II and III

### Service Package I

- Administration of test compounds
- Pathogen load
- Assessment of swelling at site of infection

### Service Package II

- Analysis of cellular infiltration and effector function

### Service Package III

- Quantitative PCR analysis of tissue cytokines and chemokines