

Adjuvant Induced Arthritis (AIA) in Rats

AIA (Adjuvant Induced Arthritis) is a T-cell mediated autoimmune arthritis and frequently used to study immunological aspect of Rheumatoid arthritis (RA) and other arthritic or inflammatory disease. AIA is well established experimental model for testing anti-inflammatory drugs

Induction of Arthritis: Adjuvant arthritis is induced in genetically susceptible Lewis Rats, by immunization with *Mycobacterium butyricum* in IFA (Incomplete Freund's Adjuvant). Rats are monitored every other day after the Immunization for the development of arthritis. Symptoms start appearing after 10 days of immunization and last for 15-20 days.

Observation:

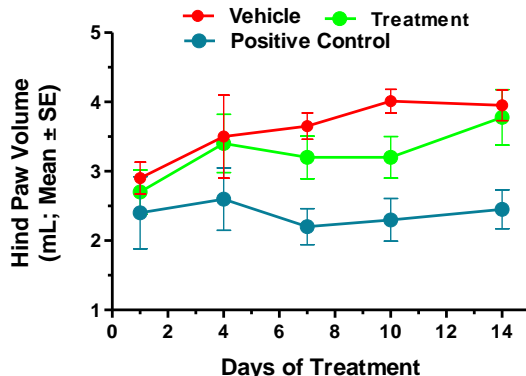
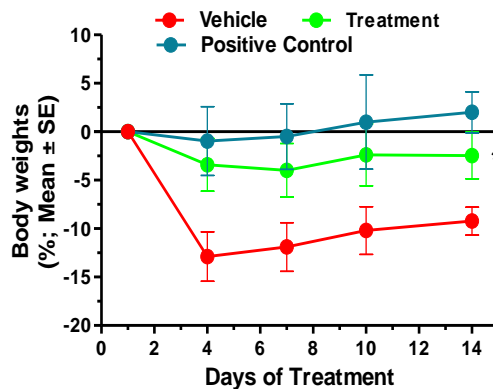
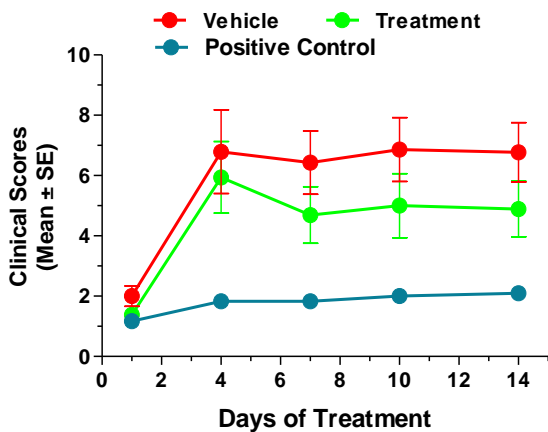
- Clinical evaluation as per graded score
- Body weight measured once a week
- Paw swelling & Ankle diameter
- Blood serum or plasma collected at termination
- Paws preserved for histopathology



Report:

Written report includes the following:

- Clinical score
- Percentage change in body weight
- Paw swelling & Ankle diameter
- Data analysis



IMPORTANT: Our services are responsive to client needs, customizing protocols, fast results, expert consultation and flexibility. Invitek intends to expand with new therapeutic areas, models, and assays, contact us to discuss your specific needs.