

Xenograft in Nude Mice

Xenograft studies using human cancer cell lines are easily conducted, are relatively rapid and, importantly, are recognized by the Food and Drug Administration as providing evidence of preclinical anti-tumor activity against human cancer. A Standard Protocol for xenograft in Nude mice has been developed to facilitate study design. This protocol can be customized as needed to meet your specific objectives.

Study Design

Following acclimation, mice are grouped according to body weight. Human breast adenocarcinoma cell line (MCF-7) is prepared in Matrigel are grafted subcutaneously into the lower backside the mice. Human 17 β -estradiol slow release tablet is inserted subcutaneously as a supplement for tumor growth. Mice are checked daily for clinical sign and tumor appearance. Once tumor begin to appear, animals are grouped based on tumor volume and started dosing.

Observation:

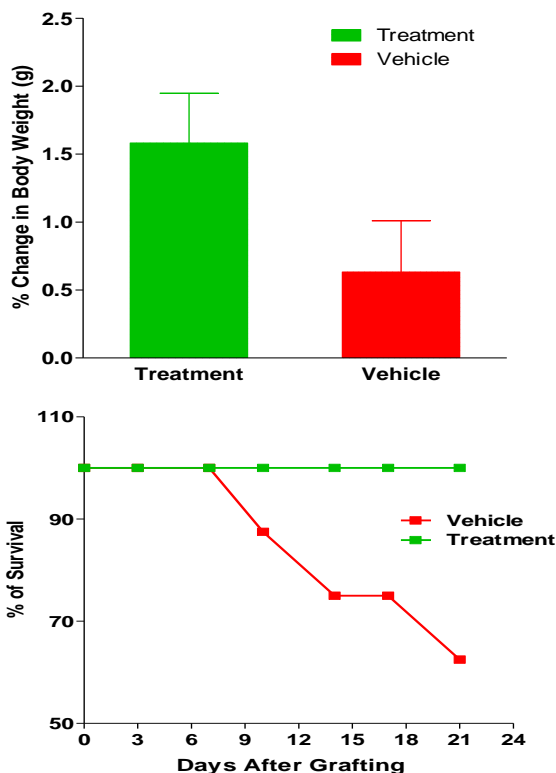
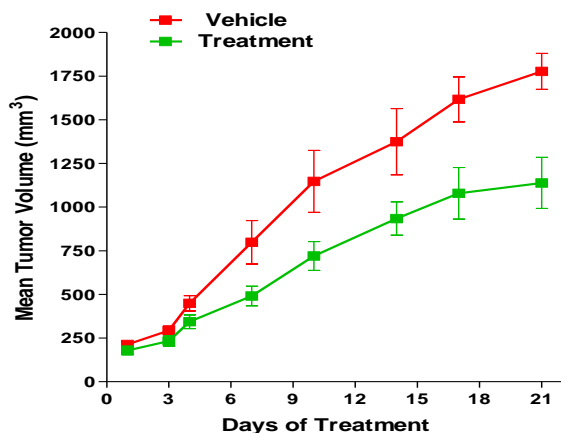
- Tumor volume
- Body weights
- Serum is collected at termination
- Tumors collection
- Majors tissue collection & preservation

Report:

Report includes detail procedure, appropriate analysis and raw data .



Experiment: Species, Nude mice, female (5-6 weeks old)
n=12/group



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.