

Adoptive Lymphocyte Transfer in Mice
IACUC Standard Procedure
Effective Date: May 2016



Description of procedure:

Adoptive Transfer Protocol: A donor mouse is euthanized by UCSF Euthanasia Policy, and lymphoid cells from donor mice are prepared as a single cell suspension and adjusted to an appropriate final volume with sterile saline. Each mouse will receive 0.2 - 0.5 ml of cell suspension. Cell numbers may vary between 1×10^4 and 1×10^8 cells. Recipient mice are injected IV via tail vein per UCSF Tail Vein Injection procedures or retro-orbitally per UCSF Retro-Orbital Injection procedures using a small gauge (i.e. 28-30g) needle. If anesthetized, mice will be monitored continuously until ambulatory.

Mice will be evaluated for general appearance, ability to move normally around cage and reach food and water, ability to eat and drink, grooming habits, skin color, lethargy, aggression (animals will be housed individually if aggressive behavior is shown).

Agents: This procedure requires anesthetics for retro-orbital injection. All agents administered to animals should be listed in the "Agents" section of the RIO IACUC protocol.

Adverse Effects:

Adverse effects should be listed in the "Adverse Effects" section of the RIO IACUC protocol.

Examples of potential adverse effects include: Trauma to the eye, graft vs. host disease