DREXEL UNIVERSITY ANIMAL CARE AND USE COMMITTEE
POLICY ON COLLECTION OF MURINE TAIL TISSUE FOR DNA
ANALYSIS

OBJECTIVE: To define the conditions under which anesthesia is a requirement for mice from which tail tissue is being collected for DNA analysis.

RESPONSIBILITY: The Investigator is responsible for ensuring that each individual obtaining tail samples from mice follows this policy.

PROCEDURE:

I. Animals less than 21 days old:
   • Anesthesia is not required if o more than 12 mm of tissue is being collected from the tip of the tail
   • If more than 12 mm of tissue is being collected or tissue is being collected more than once, anesthesia may be required

II. Animals 21 days and older:
   • Tail snipping for animals in this age group is strongly discouraged
   • General anesthesia is required for all tissue collection.

III. Tail sample collection should be performed only once or a maximum of twice.

IV. Pressure on the open wound or use of a chemical coagulant should be used to ensure hemostasis following amputation of the tail tip.

Date approved: December 2003
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Last review date: May 2018