

SOP No: AHT 43 (November 2015)

SUBJECT: Tail Tipping in Mice

POLICY: This procedure must be performed by an experienced operator.
The amount of tail to be removed must not exceed 0.5 cms.
Tail tipping may only be performed once unless otherwise approved by the AEC.
Mice >21 days must be anaesthetised.

PRECAUTIONS: Gloves, mask, long-sleeve gown, closed in shoes.

EQUIPMENT: scalpel blade or
sharp scissors
anaesthetic (for mice >21 days).

PROCEDURE:

1. Hold the mice by the scruff or anaesthetise mouse.
2. Using scissors or scalpel blade cut off no more than 0.5cm of the tail tip.
3. Apply pressure with a sterile swab to encourage clotting.

RECOMMENDATIONS:

1. Consider alternative sources of DNA (faecal sample, skin or buccal epithelial cells).
2. Divide the sample and store one half
3. Ideally mice should be tail tipped when <14 days or at weaning.

DATE ISSUED: 18.2.2004
REVISED: 25.02.2009
REVISED: 01.08.2012
REVISED: 04.11.2015


CHAIR OF AEC

REFERENCES

1. Broome RL, Feng L, Zhou Q, Smith A, Hahn N, Matsui SM, Omary MB (1999) Non-invasive transgenic mice genotyping using stool analysis. *FEBS Letters* 462, 159-60
2. Tissue biopsy collection for genotyping Joint Working Group on Refinement. *Laboratory Animals* 37 - 3 - SUPPL 2003.
3. Lloyd M, Wolfensohn S, Thornton P (2000) Quantitative assessment of welfare in experimental animals: the development and use of scoring systems. In: *Progress in the Reduction, Refinement and Replacement of Animal Experimentation* (Balls M, van Zeller A-M, Halder E, eds). Amsterdam: Elsevier Science BV, pp 1107-17
4. Truett GE, Heeger P, Mynatt RL, Truett AA, Walker JA, Warman ML (2000) Preparation of PCR-quality mouse genomic DNA with hot sodium hydroxide and tris (HotSHOT). *Biotechniques* 29, 52-4