

BASIC RODENT BIOMETHODOLOGIES - WET LAB TRAINING CERTIFICATE OF COMPLETION

UNIVERSITY OF SOUTH FLORIDA
COMPARATIVE MEDICINE

Attendee Name: _____
Print Sign Date

Please circle species trained: Mouse Rat

Discuss/Review:

___ USF web-based training power-points: Estrus Detection, Weaning & Sexing Mice, Mouse Blood Collection using SMB, Basic Skills, Mouse Euthanasia, Rodent Dosing, Rat Saphenous & Femoral Bleeds

___ Related SOPs: 400, 401; Related IACUC Principles: XII, XIX, XX

___ Identification by cage card with protocol #

___ Basic considerations of normal behavior and responses

___ General health assessment: normal vs. abnormal vs. model or phenotype related signs

___ Route of injection as related to absorption rate

Demonstrate/Assess:

Handling/Restraint/Health Assessments

___ Handling and Restraint

___ Health assessment, identifying normal parameters, common findings, basic behaviors

___ Movement between two cages/induction chambers

___ Proper Scruff technique

___ Topical application of a substance

___ Sexing various ages of animals (flash cards)

Injection Routes (SC, IP, PO)

___ How best to manually restrain

___ Appropriate needle size and injection volume

___ Physical restraint for each route of administration

___ Needle position, depth & angle of insertion for each route

___ Delivery of material

Blood Collection (Submandibular/Saphenous/Femoral/Cardiac)

___ Appropriate positioning and landmarks

___ How to visualize point of insertion

___ Use of pura-lube at site of stick

___ Types of collection tubes

___ Appropriate volumes/collection frequency

___ Terminal vs. survival bleed

Anesthesia/Analgesia

___ Procedures that cause discomfort/pain in humans are assumed to cause pain in animals

___ Pain/discomfort are reduced by good nursing care (e.g., warm, clean, dry, well-padded) and analgesics

___ Analgesic drug administrations must be recorded on forms kept by the housing room

Euthanasia

___ Euthanasia by inhalation of carbon dioxide is followed by the assurance of the cessation of cardiovascular and respiratory movements by observation at least 10 minutes, or by employing a secondary method of euthanasia such as cervical dislocation, decapitation, or bilateral thoracotomy

___ Death is verified prior to carcass disposal

___ Euthanasia chamber is not prefilled, but filled gradually with medical grade CO₂ from a compressed tank source at an approximate rate of 10-30% volume per minute (show hang tags on tanks) gas flow may be increased as loss of consciousness is observed

___ Chamber is cleaned and dried between animals (same species, sufficient floor space); euthanize in home cage whenever possible, or place in a clean micro-isolator

Training & assessment provided by: _____
Print Sign Date

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