

POCONO RABBIT FARM & LABORATORY, INC.
ANIMAL CARE AND USE COMMITTEE APPROVED PROCEDURES

SPECIES	IDENTIFICATION METHOD	MODE OF INJECTING ANTIGEN(1)	MODE & AMOUNT OF BLOOD COLLECTION (2)	ANESTHESIA PRIOR TO BLOOD COLLECTION	EUTHANASIA(3) WITH SERUM (EXSANGUINATION)	EUTHANASIA(3) W/OUT SERUM (DISCARD)
Rabbit	Ear Tag, and/or Dyes	SC,IM,IV, ID, LN	Medial Ear Artery or Marginal Ear Vein 8 to 50ml	Acepromazine 5mg/kg IM (only when needed)	Ketamine 10mg/kg IV + Xylazine 2mg/kg IV followed by Exsanguination	Euthasol® 1ml/4.55kg IV
Guinea Pig	Ear Tag and/or Dyes	SC,IM,IV, ID, LN	Retro-orbital plexus 5 to 10ml	Ketamine 62.5 mg/kg SC + Acepromazine 2.5 mg/kg SC	Ketamine 125 mg/kg SC + Acepromazine 5 mg/kg SC followed by Exsanguination	Ketamine 125 mg/kg SC + Acepromazine 5 mg/kg SC + Euthasol® 1ml/4.55kg IC
Rats & Mice	Ear Punch	SC,IM,IV, IP	Retro-orbital plexus 0.25 to 3ml	Ketamine 62.5mg/kg SC + Acepromazine 2.5 mg/kg SC Rats: Ophthaine® solution Mice: Ophthaine® solution (proparacaine hydrochloride)	Ketamine 125 mg/kg SC + Acepromazine 5 mg/kg SC followed by Exsanguination	Rats: Anesthesia (as w/ exsang) followed by Euthasol 1ml/4.55kg IC Mice: Anesthesia (as w/ exsang) followed by Cervical Dislocation
Sheep & Goats	Neck Collar and/or Ear Tag	SC,IM,IV, ID, LN	Jugular Vein 10 to 500ml	Acepromazine 0.1mg/kg IM (only when needed)	Ketamine 4mg/kg IV + Xylazine 0.2mg/kg IV (sheep) Xylazine 0.05mg/kg IV (goats) followed by Exsanguination	Euthasol® 1ml/4.55kg IV
Chicken	Leg Band	SC,IM,IV, IP	Brachial Vein 10 to 15ml	none	Ketamine 30mg/kg IM + Xylazine 2mg/kg IM followed by Exsanguination	Euthasol® 1ml/4.55kg IV

(1) SC=Subcutaneous, IM=Intramuscular, IV=Intravenous, ID=Intradermal, LN=Injection into the popliteal lymph node, IP=intraperitoneal IC = Intracardiac

All injections, except for intravenous injections usually involve the use of adjuvants in order to elicit an immune response.

(2) No more than 10 percent of the intravascular blood volume will be withdrawn weekly.

(3) All exsanguinations are performed after anesthesia via a cardiac puncture. Euthanasia methods used follow the guidelines established in 2000 by the American Veterinary Medical Association Panel on Euthanasia.

Euthasol® is a commercial preparation of sodium pentobarbital and phenytoin sodium intended for euthanasia.

All procedures are performed using aseptic techniques and appropriately gauged needles for the procedure, species, and size of animal.

All procedures are performed by appropriately trained AALAS Certified Technologists or Technicians and are overseen by the veterinarian.

These procedures are designed to minimize pain, stress and discomfort to the animals. Pain relieving drugs will be used as necessary and prescribed by the veterinarian.

The above procedures are reviewed by the IACUC Semi-Annually and are subject to change to reflect the state of the art in humane animal care and use.