**RAT (*Rattus norvegicus*)**

Drug Indication and Drugs Dosage and Route of Administration

**Restraint/Preanesthesia**

Atropine 0.04-0.1 mg/kg SC

Glycopyrrolate 0. 5 mg/kg IM

Diazepam 0. 5- 15 mg/kg IP

Midazolam 5 mg/kg IP

Ketamine 22-50 mg/kg IM

Carbon dioxide 10-50% O2 to effect IH

**Anesthesia**

Sodium Pentobarbital 30-60 mg/kg IV IP

Ketamine 50-90 mg/kg IM

50-100 mg/kg IP

Ketamine/Xylazine: 40-80 mg/kg/10 mg/kg IM IP

Ketamine/Medetomidine 60-75 mg/kg/0.25-0.5 mg/kg IM

Isoflurane 2-3 % to effect IH

**Analgesia**

Morphine 1.5-6 mg/kg SC

Butorphanol tartrate 2.5-5 mg/kg SC

Buprenorphine 0.01-0.05 mg/kg SC IP

Ketorolac 3-5 mg/kg PO

1 mg/kg IM

Carprofen 5 mg/kg SC

**Reversal Agents**

Yohimbine ( reverses Xylazine) 1-2 mg/kg IM IP