**AMPHIBIANS (FROGS)**

DRUG DOSE (MG/KG) ROUTE

INJECTABLE ANESTHETICS

Ketamine 50 - 150 IM, IP, or dorsal lymph sac

Pentobarbital 6 mg/100 gm BW Dorsal lymph sac, IV, IP, or intracoelomically

INHALATION ANESTHETICS

Isoflurane, USP 1-5% to effect

IMMERSION

Tricaine- methanesulfonate (MS-222) 300-500mg/L H2O: larvae and newts 1-2 g/L: adult frogs, salamanders up to 3 g/L: toads

Concentrations above 1 g/L should be buffered with bicarbonate at 10-25 mEq/L;

Induce 5-20 min., maintain by moist cloth contact with MS 222 solution; recover at 22-26OC for faster recovery, MS 222 can be given at 13 mg/kg into dorsal lymph sac; i(must be a sterile solution)

Benzocaine 10-50 mg/L H2O: larvae

300 mg/L for adult frogs and salamanders

NOT RECOMMENDED:

Thiopental (Pentothal(r)), Chloral hydrate, Urethane, 2-phenoxyethanol, Chlorobutanol, Quinidine,  
 4-styrlpyridine, Chlorpromazine, Methylpentynol, Tertiary amyl alcohol

ANALGESICS

0.5% Lidocaine infusion at incision site