

Recommended Methods of Euthanasia: *Xenopus*

Species	Method	Description
Xenopus	Anesthetic overdose (MS-222: Tricaine Methane Sulfonate) followed by decapitation	Animal is placed in a covered pan with 0.1% / 400-500mg/L of a buffered MS-222 solution until a level of surgical anesthesia is reached as verified by lack of response to a stimulus (toe pinch) prior to removal and decapitation (<i>indicate equipment used</i>) to assure euthanasia.
	Anesthetic overdose (MS-222: Tricaine Methane Sulfonate) followed by pithing	Animal is placed in a covered pan with 0.1% / 400-500mg/L of a buffered MS-222 solution until a level of surgical anesthesia is reached as verified by lack of response to a stimulus (toe pinch) prior to removal and pithing to assure euthanasia.
	Injectable anesthetic (Pentobarbital) overdose	Administration of $\geq 100\text{mg/kg}$ Pentobarbital (<i>state manufacturer</i>) intravenously (IV), intraperitoneally (IP), intracoelomically (IC), subcutaneous lymph space, or dorsal lymph sac using a (<i>insert gauge</i>) gauge or smaller bore needle. Monitor animal until lack of response to a stimulus (toe pinch) for at least 2 minutes prior to tissue harvest or carcass disposal.