

BAM™ for Lab Animals

Originally developed as an anesthesia combination for wildlife and used in thousands of capture immobilizations worldwide, **administration of a premixed butorphanol, azaperone and medetomidine [BAM™]** combination is now available for reversible anesthesia of lab animals.

Patented Formulation

- This pre-mixed 11ml formulation contains 27.3mg of Butorphanol, 9.1mg of Azaperone and 10.9 mg of Medetomidine. It has been shown to be “co-synergistic” - allowing each active pharmaceutical to be administered at a low dose rate.
- It is currently patented [US Pat.7795263] and distributed under the acronym: BAM™.

Lab Animal Veterinarians and Pls Report

- Relaxed abdominal respiration and ventilation
- Minimal increases in body core temperature
- Retention of good blood oxygen levels
- Anesthesia effect can be reversed at any time, with animals fully recovering within 5-10 minutes
- Reversibility characteristics provide added safety for lab animal species

Each BAM™ Kit contains:

- Vial #1: BAM™ (11ml)
Each 1ml of this premixed formulation contains:
27.3mg of Butorphanol | 9.1mg of Azaperone | 10.9mg of Medetomidine
- Vial #2: Atipamezole (30 ml) *Reversal drug at a concentration of 25mg/ml*
- Vial #3: Naltrexone (5.5 ml) *Reversal drug at a concentration of 50mg/ml*

Reversal

BAM is reversed (~5-10 minutes) with IM injections of Atipamezole and Naltrexone HCl. These formulations are also included with the BAM anesthesia combination (11 ml volume) as components in the BAM™ Kit:

Atipamezole

(30ml volume; 25mg/ml concentration)

Naltrexone

(5.5ml volume; 50mg/ml concentration)

Dosing Protocols

Based on anesthesia field reports, a formulary detailing BAM™ administration guidelines with reversal drug dosing protocols has been compiled. (See the BAM™ Formulary Guide for Laboratory Animals on reverse side.)

Reversible Anesthesia Protocol Combining Butorphanol, Azaperone and Medetomidine

Species	Dose Rate	Type	Avg. Body Weight	IMMOBILIZE	REVERSE	
				BAM™	Atipamezole (25mg/mL)	Naltrexone (50mg/mL)
Pig	B 0.58mg/kg	Yucatan Minipigs	70kg	1.5mL	3.0mL	0.5mL
	A 0.2mg/kg M 0.23mg/kg	Domestic	100kg	2.2mL	4.4mL	0.5mL
Sheep (Dorset Cross)	B 0.32mg/kg	Adult Female	90kg	1.5mL	3.0mL	0.5mL
	A 0.11mg/kg	Adult Female	75kg	1.0mL	2.0mL	0.5mL
	M 0.13mg/kg	Lamb	<20kg	0.2mL	0.4mL	0.25mL
		Lamb	>20kg	0.4mL	0.8mL	0.5mL
Goat (Nubian Crossbreed)	B 0.32mg/kg	Male	75kg	0.9mL	1.8mL	0.5mL
	A 0.10mg/kg M 0.13mg/kg	Female	55kg	0.7mL	1.4mL	0.5mL
NHP (Rhesus Macaque)	B 0.64mg/kg	Adult Male	8kg	0.4mL	0.8mL	0.5mL
	A 0.20mg/kg M 0.26mg/kg	Adult Female	5kg	0.25mL	0.5mL	0.25mL
NHP (Spider Monkey)	B 0.64mg/kg A 0.20mg/kg M 0.26mg/kg	-	13kg	0.6mL	1.2mL	0.5mL
Cat (Feline Colony Bred)	B 0.60mg/kg A 0.20mg/kg M 0.24mg/kg	-	4.5kg	0.1mL	0.2mL	0.25mL
Dog (Beagle)	B 0.55mg/kg A 0.18mg/kg M 0.22mg/kg	-	10kg	0.2mL	0.4mL	0.25mL
Cattle	B 0.075mg/kg	Mature Bull	900kg	2.5mL	5.0mL	0.5mL
	A 0.025mg/kg	Adult Cow	450kg	2.0mL	4.0mL	0.5mL
	M 0.030mg/kg	Calves - 1 1/2 yrs	225kg	1.5mL	3.0mL	0.5mL

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**Complete BAM™ Kits
are currently available
by prescription from a
licensed veterinarian.**