



EUTHABAG[®]

**PRE-EUTHANASIA SEDATION PROTOCOLS
FOR CANINE AND FELINE PATIENTS**





SUMMARY: CANINE PRE-EUTHANASIA SEDATION PROTOCOLS

CALM PATIENT

	ACEPROMAZINE 10 mg/ml	BUTORPHANOL 10 mg/ml	KETAMINE 100 mg/ml	XYLAZINE 100 mg/ml	DEXMEDETOMIDINE	Optional MIDAZOLAM 5 mg/ml
BLESSED SLEEP	0.22 mg/kg	0.1 mg/kg	2.22 mg/kg	1 mg/kg	x	x
DOGGIE MAGIC	x	0.2-0.5 mg/kg	2-10 mg/kg	x	375 mcg/m ²	x
ABK	0.3 mg/kg	0.3 mg/kg	10 mg/kg	x	x	0.2 mg/kg

REACTIVE PATIENT

Preappointment ORAL sedation		+	In-clinic ORAL sedation	
TRAZODONE	GABAPENTIN		DEXMEDETOMIDINE or DETOMIDINE	PENTOBARBITAL OR
7-10 mg/kg	10-40 mg/kg		50-150 mcg/kg	60 mg/kg



SUMMARY: FELINE PRE-EUTHANASIA SEDATION PROTOCOLS

CALM PATIENT

	KITTY MAGIC	ACEPROMAZINE 10 mg/ml	KETAMINE 100 mg/ml	Optional		
				+/- MIDAZOLAM 5 mg/ml	+/- HYDROMORPHONE 2 mg/ml	+/- ALFAXALONE 10 mg/ml
A	x	0.2 mg/kg	10 mg/kg	0.2 mg/kg	0.01 ml/cat	2 mg/kg
B	0.3 ml/5 kg	x	x	x	x	x

REACTIVE PATIENT

Preappointment ORAL sedation			Optional	
Preappointment ORAL sedation			In-clinic ORAL sedation	
TRAZODONE	GABAPENTIN	BUPRENORPHINE	+/- DEXMEDETOMIDINE	+/- KETAMINE
50-100 mg/cat	50-100 mg/cat	0.1 mg/cat	50 mcg/kg	5-10 mg/kg



COMPARISON: CANINE PRE-EUTHANASIA SEDATION PROTOCOLS

Ingredients	BLESSED SLEEP	DOGGIE MAGIC	ABK
Acepromazine	●		●
Butorphanol	●	●	●
Dexmedetomidine		●	
Ketamine	●	●	●
Xylazine	●		
Advantages			
Economical	●		●
Can be given subcutaneously	●		
Deep sedation	●	●	
Efficient with reactive animals	●	●	●
Small volume to inject	●	●	
Disadvantages			
Reactions to noise		●	
Efficacy affected by catecholamines		●	
Costly		●	
Decreased blood pressure		●	







PRE-EUTHANASIA ORAL SEDATION DOSAGES FOR REACTIVE DOGS

Preappointment ORAL sedation

Trazodone 7-10 mg/kg + Gabapentin 10-40 mg/kg

Administer ORALLY 3 times: the night before + in the morning + 2 hours before appointment

In-clinic ORAL sedation

	DETOMIDINE gel* 7600 mcg/ml		OR Injectable DEXMEDETOMIDINE 500 mcg/ml		OR PENTOBARBITAL 240 mg/ml 		PENTOBARBITAL 390 mg/ml 	
	Tasteless				Bitter			
	ON TOP of peanut butter/cream cheese				Mix with food			
Weight	100 mcg/kg	150 mcg/kg	50 mcg/kg	75 mcg/kg	60 mg/kg			
KG	ML	ML	ML	ML	ML	ML		
2	0.03	0.04	0.20	0.30	0.50	0.30		
3	0.04	0.06	0.30	0.45	0.75	0.50		
4	0.05	0.08	0.40	0.60	1.00	0.60		
5	0.07	0.10	0.50	0.75	1.25	0.80		
6	0.08	0.12	0.60	0.90	1.50	0.90		
7	0.09	0.14	0.70	1.05	1.75	1.10		
8	0.11	0.16	0.80	1.20	2.00	1.20		
9	0.12	0.18	0.90	1.35	2.25	1.40		
10	0.13	0.20	1.00	1.50	2.50	1.50		
11	0.14	0.22	1.10	1.65	2.75	1.70		
12	0.16	0.24	1.20	1.80	3.00	1.80		
13	0.17	0.26	1.30	1.95	3.25	2.00		
14	0.18	0.28	1.40	2.10	3.50	2.20		
15	0.20	0.30	1.50	2.25	3.75	2.30		
16	0.21	0.32	1.60	2.40	4.00	2.50		
17	0.22	0.34	1.70	2.55	4.25	2.60		
18	0.24	0.36	1.80	2.70	4.50	2.80		
19	0.25	0.38	1.90	2.85	4.75	2.90		
20	0.26	0.39	2.00	3.00	5.00	3.10		
22	0.29	0.43	2.20	3.30	5.50	3.40		
24	0.32	0.47	2.40	3.60	6.00	3.70		
26	0.34	0.51	2.60	3.90	6.50	4.00		
28	0.37	0.55	2.80	4.20	7.00	4.30		
30	0.39	0.59	3.00	4.50	7.50	4.60		
32	0.42	0.63	3.20	4.80	8.00	4.90		
34	0.45	0.67	3.40	5.10	8.50	5.20		
36	0.47	0.71	3.60	5.40	9.00	5.50		
38	0.50	0.75	3.80	5.70	9.50	5.80		
40	0.53	0.79	4.00	6.00	10.00	6.20		

* Off label use. Put gloves on before manipulating.



FELINE PRE-EUTHANASIA SEDATION PROTOCOLS

CALM PATIENT (INJECTABLE SEDATION)

Weight	ACEPROMAZINE 10 mg/ml Dose: 0.2 mg/kg	+ KETAMINE 100 mg/ml Dose: 10 mg/kg	Optional		
			+/- MIDAZOLAM 5 mg/ml Dose: 0.2 mg/kg	+/- HYDROMORPHONE 2 mg/ml Dose: 0.005 mg/kg	+/- ALFAXALONE 10 mg/ml Dose: 2 mg/kg
KG	ML	ML	ML	ML	ML
1	0.02	0.10			0.20
2	0.04	0.20			0.40
3	0.06	0.30	0.01	0.01	0.60
4	0.08	0.40	0.15	0.01	0.80
5	0.1	0.50	0.2	0.01	1.00
6	0.12	0.60	0.25	0.01	1.20
7	0.14	0.70	0.25	0.01	1.40
8	0.16	0.80	0.3	0.01	1.60

Note: When done drawing the medication, add 0.1 cc of lidocaine for a smooth, painless injection.

REACTIVE PATIENT

Preappointment ORAL sedation*

TRAZODONE	GABAPENTIN	BUPRENORPHINE
50-100 mg/cat	50-100 mg/cat	0.1 mg/cat

*Given orally the night before, in the morning and 2 hours before the appointment.

In-clinic ORAL sedation

Weight	Tasteless	Optional - Bitter	
	DEXMEDETOMIDINE 500 mcg/ml Dose: 50 mcg/kg	+/- KETAMINE** 100 mg/ml Dose: 5 mg/kg	+/- KETAMINE** 100 mg/ml Dose: 10 mg/kg
KG	ML	ML	ML
2	0.20	0.10	0.20
3	0.30	0.15	0.30
4	0.40	0.20	0.40
5	0.50	0.25	0.50
6	0.60	0.30	0.60
7	0.70	0.35	0.70
8	0.80	0.40	0.80
9	0.90	0.45	0.90

**Add 0.1 cc of maple syrup to Ketamine to reduce bitterness.



EUTHANASIA PENTOBARBITAL DOSAGES

Canada

United States

Weight	PENTOBARBITAL 240 mg/ml	Weight	PENTOBARBITAL 390 mg/ml
	2 ml/4.5 kg 107 mg/ kg		1 ml/10 lb 86 mg/kg
KG	ML	LB	ML
2-3	1	Under 5	0.5
3-5	2	5-10	1
6-7	3	10-15	1.5
8-10	4	15-20	2
11-12	5	20-25	2.5
12-14	6	25-30	3
14-16	7	30-35	3.5
16-18	8	35-40	4
18-20	9	40-45	4.5
20-22	10	45-50	5
22-24	11	50-55	5.5
24-27	12	55-60	6
28-29	13	60-65	6.5
29-33	14	65-70	7
33-35	15	70-75	7.5
35-37	16	75-80	8
37-39	17	80-85	8.5

It is recommended to bring the Pentobarbital bottle or at least an extra dose as a precaution.



CANINE PRE-EUTHANASIA SEDATION PROTOCOLS

First choice: **BLESSED SLEEP**

Economical, deep sedation and analgesia
Subcutaneous or intramuscular administration

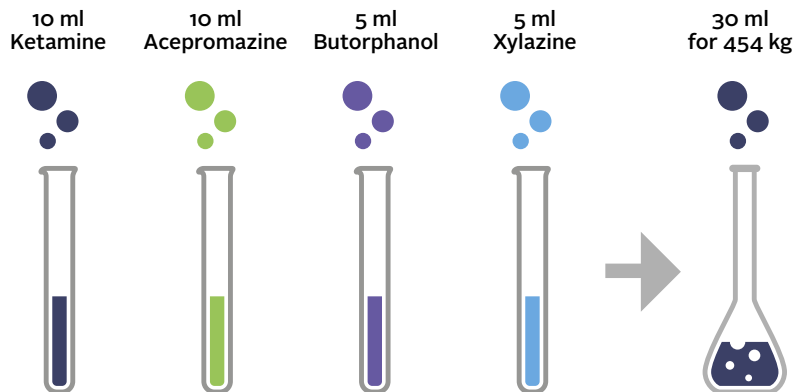
Mary Gardner, DVM,
cofounder of
Lap of Love Veterinary Hospice,
2019

PREMIX

Ingredients	Concentration	ML
Acepromazine	10 mg/ml	10
Ketamine	100 mg/ml	10
Xylazine	100 mg/ml	5
Butorphanol	10 mg/ml	5

PREMIX DOSAGE

Weight	BLESSED SLEEP premix
KG	ML
2	0.1
3	0.2
4	0.3
5	0.35
6	0.4
7	0.5
8	0.55
9	0.6
10-13	0.9
13-15	1
15-20	1.4
20-25	1.5
25-30	2
30-33	2.2
33-37	2.5
37-45	3
45-50	3.3
50-55	3.7
55-60	4



Dosage: 0.3 ml/4.5 kg



CANINE PRE-EUTHANASIA SEDATION PROTOCOLS

Second choice: **DOGGIE MAGIC**

Deep sedation and analgesia

Intramuscular administration

Weight	DEXMEDETOMIDINE 0.5 mg/ml Dose: 375 mcg/m ² IM	+	BUTORPHANOL 10 mg/ml	+	KETAMINE 100 mg/ml
KG	ML		ML		ML
2	0.12		0.12		0.12
3	0.15		0.15		0.15
4	0.20		0.20		0.20
5	0.30		0.30		0.30
6	0.30		0.30		0.30
7	0.30		0.30		0.30
8	0.35		0.35		0.35
9	0.40		0.40		0.40
10-13	0.40		0.40		0.40
13-15	0.45		0.45		0.45
15-20	0.50		0.50		0.50
20-25	0.60		0.60		0.60
25-30	0.70		0.70		0.70
30-33	0.75		0.75		0.75
33-37	0.80		0.80		0.80
37-45	0.90		0.90		0.90
45-50	1.00		1.00		1.00
50-55	1.00		1.00		1.00
55-60	1.10		1.10		1.10





CANINE PRE-EUTHANASIA SEDATION PROTOCOLS

Third choice: **ABK**

Moderate sedation, stable blood pressure

Intramuscular administration

Weight	ACEPROMAZINE 10 mg/ml Dose: 0.2 mg/kg	+	BUTORPHANOL 10 mg/ml Dose: 0.3 mg/kg	+	KETAMINE 100 mg/ml Dose: 10 mg/kg	Optional	
						+/- GLYCOPYRROLATE 0.2 mg/ml Dose: 0.01 mg/kg	+/- MIDAZOLAM 5 mg/ml Dose: 0.2 mg/kg
KG	ML		ML		ML	ML	ML
2	0.04		0.06		0.20	0.10	0.08
3	0.06		0.09		0.30	0.15	0.12
4	0.08		0.12		0.40	0.20	0.16
5	0.10		0.15		0.50	0.25	0.20
6	0.12		0.18		0.60	0.30	0.24
7	0.14		0.21		0.70	0.35	0.28
8	0.16		0.24		0.80	0.40	0.32
9	0.18		0.27		0.90	0.45	0.36
10	0.20		0.30		1.00	0.50	0.40
11	0.22		0.33		1.10	0.55	0.44
12	0.24		0.36		1.20	0.60	0.48
13	0.26		0.39		1.30	0.65	0.52
14	0.28		0.42		1.40	0.70	0.56
15	0.30		0.45		1.50	0.75	0.60
16	0.32		0.48		1.60	0.80	0.64
17	0.34		0.51		1.70	0.85	0.68
18	0.36		0.54		1.80	0.90	0.72
19	0.38		0.57		1.90	0.95	0.76
20	0.40		0.60		2.00	1.00	0.80
22	0.40		0.66		2.20	1.10	0.88
24	0.40		0.72		2.40	1.20	0.96
26	0.40		0.78		2.60	1.30	1.04
28	0.40		0.84		2.80	1.40	1.12
30	0.40		0.90		3.00	1.50	1.20
32	0.40		0.96		3.20	1.60	1.28
34	0.40		1.02		3.40	1.70	1.36
36	0.40		1.08		3.60	1.80	1.44
38	0.40		1.14		3.80	1.90	1.52
40	0.40		1.20		4.00	2.00	1.60

