



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 |
|--------|--------------------------------------|------------|----|--|-----------|---------------|----------------------------|
| | 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 |
| 2 | 0.03 | 0.04 | | 0.20 | 0.30 | | 0.50 |
| 3 | 0.04 | 0.06 | | 0.30 | 0.45 | | 0.75 |
| 4 | 0.05 | 0.08 | | 0.40 | 0.60 | | 1.00 |
| 5 | 0.07 | 0.10 | | 0.50 | 0.75 | | 1.25 |
| 6 | 0.08 | 0.12 | | 0.60 | 0.90 | | 1.50 |
| 7 | 0.09 | 0.14 | | 0.70 | 1.05 | | 1.75 |
| 8 | 0.11 | 0.16 | | 0.80 | 1.20 | | 2.00 |
| 9 | 0.12 | 0.18 | | 0.90 | 1.35 | | 2.25 |
| 10 | 0.13 | 0.20 | | 1.00 | 1.50 | | 2.50 |
| 11 | 0.14 | 0.22 | | 1.10 | 1.65 | | 2.75 |
| 12 | 0.16 | 0.24 | | 1.20 | 1.80 | | 3.00 |
| 13 | 0.17 | 0.26 | | 1.30 | 1.95 | | 3.25 |
| 14 | 0.18 | 0.28 | | 1.40 | 2.10 | | 3.50 |
| 15 | 0.20 | 0.30 | | 1.50 | 2.25 | | 3.75 |
| 16 | 0.21 | 0.32 | | 1.60 | 2.40 | | 4.00 |
| 17 | 0.22 | 0.34 | | 1.70 | 2.55 | | 4.25 |
| 18 | 0.24 | 0.36 | | 1.80 | 2.70 | | 4.50 |
| 19 | 0.25 | 0.38 | | 1.90 | 2.85 | | 4.75 |
| 20 | 0.26 | 0.39 | | 2.00 | 3.00 | | 5.00 |
| 22 | 0.29 | 0.43 | | 2.20 | 3.30 | | 5.50 |
| 24 | 0.32 | 0.47 | | 2.40 | 3.60 | | 6.00 |
| 26 | 0.34 | 0.51 | | 2.60 | 3.90 | | 6.50 |
| 28 | 0.37 | 0.55 | | 2.80 | 4.20 | | 7.00 |
| 30 | 0.39 | 0.59 | | 3.00 | 4.50 | | 7.50 |
| 32 | 0.42 | 0.63 | | 3.20 | 4.80 | | 8.00 |
| 34 | 0.45 | 0.67 | | 3.40 | 5.10 | | 8.50 |
| 36 | 0.47 | 0.71 | | 3.60 | 5.40 | | 9.00 |
| 38 | 0.50 | 0.75 | | 3.80 | 5.70 | | 9.50 |
| 40 | 0.53 | 0.79 | | 4.00 | 6.00 | | 10.00 |

* 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

Dose: 108 mg/kg or 1 ml/2.5 kg IV

| Weight | PENTOBARBITAL 240 mg/ml |
|--------|----------------------------|
| KG | ML |
| 2 | 1 |
| 3-5 | 2 |
| 6-7 | 3 |
| 8-10 | 4 |
| 11-12 | 5 |
| 12-14 | 6 |
| 14-16 | 7 |
| 16-18 | 8 |
| 18-20 | 9 |
| 20-22 | 10 |
| 22-24 | 11 |
| 24-27 | 12 |
| 28-29 | 13 |
| 29-33 | 14 |
| 33-35 | 15 |
| 35-37 | 16 |
| 37-39 | 17 |
| 39-41 | 18 |
| 41-43 | 19 |
| 44-47 | 20 |
| 47-49 | 21 |
| 49-51 | 22 |
| 51-52 | 23 |
| 52-53 | 24 |
| 53-55 | 25 |

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 (Mary Gardner, DVM, 2019)

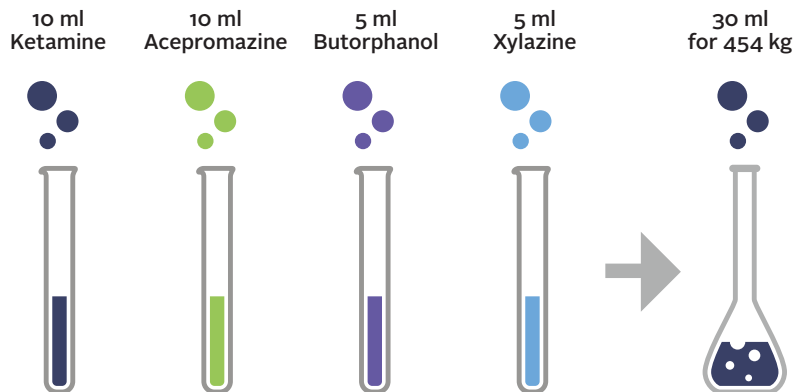
Economical, deep sedation and analgesia
Subcutaneous or intramuscular administration

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 |