



Anaesthetic dosage charts - dogs

Trauma/Post-op Analgesia I/M or I/V

	Buprenorphine
Concentration	0.3 mg/ml
Dose rate:	0.02 mg/kg
Dog weight kg	Dose I/M or I/V
2.5	0.15 ml
5	0.30 ml
10	0.60 ml
15	0.90 ml
20	1.20 ml
25	1.50 ml
30	1.80 ml
40	2.40 ml

Sedation - Double Combination I/M or I/V

	Medetomidine	Buprenorphine	Butorphanol	Atipamezole
Concentration	1mg/ml	0.3 mg/ml	10 mg/ml	5 mg/ml
Dose rate:	25 µg/kg	0.02 mg/kg	0.1 mg/kg	125 mg/kg
Dog weight kg	Dose I/M or I/V	Dose I/M or I/V	Dose I/M or I/V	Dose I/M or I/V
2.5	0.06 ml	AND 0.15 ml	OR 0.03 ml	0.06 ml
5	0.13 ml	0.30 ml	0.05 ml	0.13 ml
10	0.25 ml	0.60 ml	0.10 ml	0.25 ml
15	0.38 ml	0.90 ml	0.15 ml	0.38 ml
20	0.50 ml	1.20 ml	0.20 ml	0.50 ml
25	0.63 ml	1.50 ml	0.25 ml	0.63 ml
30	0.63 ml	1.80 ml	0.30 ml	0.75 ml
40	1.00 ml	2.40 ml	0.40 ml	1.00 ml

Pre-medication I/M or I/V - Buprenorphine

	Buprenorphine	Medetomidine	Acepromazine
Concentration	0.3 mg/ml	1 mg/ml	2 mg/ml
Dose rate:	0.02 mg/kg	10 µg/kg	0.01-0.02 mg/kg
Dog weight kg	Dose I/M or I/V	Dose I/M or I/V	Dose I/M or I/V
5	0.30 ml	AND 0.05 ml	OR 0.03-0.05 ml
10	0.60 ml	0.10 ml	0.05-0.10 ml
20	1.20 ml	0.20 ml	0.10-0.20 ml
30	1.80 ml	0.30 ml	0.15-0.30 ml
40	2.40 ml	0.40 ml	0.30-0.40 ml

Anaesthesia - Triple Combination I/M

	Medetomidine	Buprenorphine	Butorphanol	Ketamine
Concentration	1 mg/ml	0.3 mg/ml	10 mg/ml	100 mg/ml
Dose rate:	25 µg/kg	0.02 mg/kg	0.1 mg/kg	5 mg/kg
Dog weight kg	Dose I/M or I/V	Dose I/M or I/V	Dose I/M or I/V	Dose I/M
2.5	0.06 ml	AND 0.15 ml	OR 0.03 ml	WAIT 15 MINUTES 0.13 ml
5	0.13 ml	0.30 ml	0.05 ml	0.25 ml
10	0.25 ml	0.60 ml	0.10 ml	0.50 ml
15	0.38 ml	0.90 ml	0.15 ml	0.75 ml
20	0.50 ml	1.20 ml	0.20 ml	1.00 ml
25	0.63 ml	1.50 ml	0.25 ml	1.25 ml
30	0.63 ml	1.80 ml	0.30 ml	1.50 ml
40	1.00 ml	2.40 ml	0.40 ml	2.00 ml

N.B. It is not advisable to reverse this combination with atipamezole.

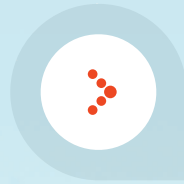
Pre-medication I/M or I/V - Butorphanol

	Butorphanol	Medetomidine	Acepromazine
Concentration	10 mg/ml	1 mg/ml	2 mg/ml
Dose rate:	0.1 mg/kg	10 µg/kg	0.01-0.02 mg/kg
Dog weight kg	Dose I/M or I/V	Dose I/M or I/V	Dose I/M or I/V
5	0.05 ml	AND 0.05 ml	OR 0.03-0.05 ml
10	0.10 ml	0.10 ml	0.05-0.10 ml
20	0.20 ml	0.20 ml	0.10-0.20 ml
30	0.30 ml	0.30 ml	0.15-0.30 ml
40	0.40 ml	0.40 ml	0.30-0.40 ml

Maintain on gaseous agent

Isoflurane	1.5 - 2.5 %
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Doses given are a guide and for further information, please consult the data sheets. Anaesthetic doses should be used with consideration given to an individual's benefit/risk assessment. For further information, references and any queries, please contact Virbac: Telephone: 01359 243243. Email: enquiries@virbac.co.uk.



Anaesthetic dosage charts - cats

Analgesia I/M or I/V - Buprenorphine

	Buprenorphine
Concentration	0.3 mg/ml
Dose rate:	0.02 mg/kg
Cat weight kg	Dose I/M or I/V
1.0	0.06 ml
2.0	0.12 ml
3.0	0.18 ml
4.0	0.24 ml
5.0	0.30 ml

Sedation - Double Combination I/M or S/C

	Medetomidine	Buprenorphine	Butorphanol	Atipamezole
Concentration	1 mg/ml	0.3 mg/ml	10 mg/ml	5 mg/ml
Dose rate:	50 µg/kg	0.02 mg/kg	0.4 mg/kg	125 µg/kg
Cat weight kg	Dose I/M or S/C	Dose I/M or S/C	Dose I/M or S/C	Dose I/M or S/C
1.0	0.05 ml	AND 0.06 ml	OR 0.04 ml	0.03 ml
2.0	0.10 ml	AND 0.12 ml	OR 0.08 ml	0.05 ml
3.0	0.15 ml	AND 0.18 ml	OR 0.12 ml	0.08 ml
4.0	0.20 ml	AND 0.24 ml	OR 0.16 ml	0.10 ml
5.0	0.25 ml	AND 0.30 ml	OR 0.20 ml	0.13 ml

Pre-medication I/M, S/C or I/V - Butorphanol

	Butorphanol	Butorphanol
Concentration	10 mg/ml	10 mg/ml
Dose rate:	0.4 mg/kg	0.1 mg/kg
Cat weight kg	Dose I/M or S/C	Dose I/V
1.0	0.04 ml	0.01 ml
2.0	0.08 ml	0.02 ml
3.0	0.12 ml	0.03 ml
4.0	0.16 ml	0.04 ml
5.0	0.20 ml	0.05 ml

Anaesthesia - Triple Combination I/M

	Medetomidine	Buprenorphine	Butorphanol	Ketamine	Atipamezole
Concentration	1 mg/ml	0.3 mg/ml	10 mg/ml	100 mg/ml	5 mg/ml
Dose rate:	80 µg/kg	0.02 mg/kg	0.4 mg/kg	5 mg/kg	125 µg/kg
Cat weight kg	Dose I/M	Dose I/M	Dose I/M	Dose I/M	Dose I/M
1.0	0.08 ml	AND 0.06 ml	OR 0.04 ml	AND 0.05 ml	45 MINUTES 0.04 ml
2.0	0.16 ml	AND 0.12 ml	OR 0.08 ml	AND 0.10 ml	0.08 ml
3.0	0.24 ml	AND 0.18 ml	OR 0.12 ml	AND 0.15 ml	0.12 ml
4.0	0.32 ml	AND 0.24 ml	OR 0.16 ml	AND 0.20 ml	0.16 ml
5.0	0.40 ml	AND 0.30 ml	OR 0.20 ml	AND 0.25 ml	0.20 ml

Pre-medication I/M or I/V - Buprenorphine

	Buprenorphine	Acepromazine
Concentration	0.3 mg/ml	2 mg/ml
Dose rate:	0.02 mg/kg	0.02 mg/kg
Cat weight kg	Dose I/M or I/V	Dose I/M or I/V
1.0	0.06 ml	0.01 ml
2.0	0.12 ml	0.02 ml
3.0	0.18 ml	0.03 ml
4.0	0.24 ml	0.04 ml
5.0	0.30 ml	0.05 ml

Anaesthesia - Triple Combination I/V

	Medetomidine	Buprenorphine	Butorphanol	Ketamine	Atipamezole
Concentration	1 mg/ml	0.3 mg/ml	10 mg/ml	100 mg/ml	5 mg/ml
Dose rate:	40 µg/kg	0.02 mg/kg	0.1 mg/kg	2.5 mg/kg	100 µg/kg
Cat weight kg	Dose I/V	Dose I/V	Dose I/V	Dose I/V	Dose I/V
1.0	0.04 ml	AND 0.06 ml	OR 0.01 ml	AND 0.03 ml	ANY STAGE 0.02 ml
2.0	0.08 ml	AND 0.12 ml	OR 0.02 ml	AND 0.05 ml	0.04 ml
3.0	0.12 ml	AND 0.18 ml	OR 0.03 ml	AND 0.08 ml	0.06 ml
4.0	0.16 ml	AND 0.24 ml	OR 0.04 ml	AND 0.10 ml	0.08 ml
5.0	0.20 ml	AND 0.30 ml	OR 0.05 ml	AND 0.13 ml	0.10 ml

Maintain on gaseous agent

Isoflurane	1.5 - 3 %
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