



# Dose Calculation Chart for Dogs

Body wt (kg)	PREMEDICATION			INDUCTION		ADDITIONAL MEDICATION			
	Xylazine 20mg/ml 1.5mg/kg IM	Buprenorphine 0.3mg/ml 0.02mg/kg IM	Ketamine 50mg/ml 0.5mg/kg IM or IV	Diazepam 5mg/ml 0.25mg/kg IV	Propofol 10mg/ml 1mg/kg IV	Meloxicam 5mg/ml 0.2mg/kg IV	Lignocaine 2% or 20mg/ml 1mg/kg IV	Amoxicillin 100mg/ml 20mg/kg IV	Ivermectin 1% or 10mg/ml 0.2mg/kg SC
5	0.4	0.4	0.05	0.3	0.5	0.2	0.3	1.0	0.1
6	0.5	0.4	0.06	0.3	0.6	0.3	0.3	1.2	0.1
7	0.5	0.5	0.07	0.4	0.7	0.3	0.4	1.4	0.2
8	0.6	0.6	0.08	0.4	0.8	0.3	0.4	1.6	0.2
9	0.7	0.6	0.09	0.5	0.9	0.4	0.5	1.8	0.2
10	0.8	0.7	0.10	0.5	1.0	0.4	0.5	2.0	0.2
11	0.8	0.8	0.10	0.6	1.1	0.5	0.6	2.2	0.2
12	0.9	0.8	0.10	0.6	1.2	0.5	0.6	2.4	0.2
13	1.0	0.9	0.10	0.7	1.3	0.5	0.7	2.6	0.3
14	1.0	1.0	0.10	0.7	1.4	0.6	0.7	2.8	0.3
15	1.1	1.0	0.20	0.8	1.5	0.6	0.8	3.0	0.3
16	1.2	1.1	0.20	0.8	1.6	0.6	0.8	3.2	0.3
17	1.3	1.2	0.20	0.9	1.7	0.7	0.9	3.4	0.4
18	1.3	1.2	0.20	0.9	1.8	0.7	0.9	3.6	0.4
19	1.4	1.3	0.20	1.0	1.9	0.8	1.0	3.8	0.4
20	1.5	1.4	0.20	1.0	2.0	0.8	1.0	4.0	0.4
21	1.6	1.4	0.20	1.1	2.1	0.9	1.1	4.2	0.4
22	1.6	1.6	0.20	1.1	2.2	0.9	1.1	4.4	0.5
23	1.7	1.6	0.20	1.2	2.3	0.9	1.2	4.6	0.5
24	1.8	1.6	0.20	1.2	2.4	1.0	1.2	4.8	0.5
25	1.9	1.7	0.20	1.3	2.5	1.0	1.3	5.0	0.5





# Procedure for Premedication and Induction

- Firstly, administer xylazine and buprenorphine IM. Wait 10-20 minutes for the effects of sedation to become apparent.
- If adequate sedation is not achieved after 20 minutes, give 1/3rd of the initial dose of xylazine and 0.5mg/kg ketamine IM.
- Place an IV catheter. If ketamine has not yet been given, administer the appropriate dose and wait a few minutes for this to take effect.
- Draw the diazepam and propofol into a single syringe, taking care not to contaminate either vial, and inject slowly IV via the catheter over a period of 10 seconds, to effect.
- Immediately intubate the patient and evaluate anaesthetic depth.

### Please note:

- This chart should be used as a **guide only**. Drug doses **must always be calculated with regard to the status of patient and to the concentration of drugs available** and in use.
- When using amoxicillin-cloxacillin combination, always check the concentration your product has and count only amoxicillin as the effective drug.

