

## LARTF STANDARD DRUG DOSES AND DILUTIONS – RODENTS

DRUG NAME	SPECIES	DOSE RATE	DILUTION	FINAL CONCENTRATION	VOLUME PER UNIT BODYWEIGHT	ROUTE	FREQUENCY
<b>Carprofen (S4)</b> Analgesic (NSAID)	MOUSE (Standard dose)	5mg/kg	0.1ml carprofen (50mg/ml) + 9.9ml sterile saline or water for injection	0.5mg/ml	100ul per 10g	SC	24hrly
	RAT (Standard dose)	5mg/kg	1.0ml carprofen (50mg/ml) + 9.0ml sterile saline or water for injection	5mg/ml	100ul per 100g	SC	24hrly
<b>Meloxicam (S4)</b> Analgesic (NSAID - alternative to carprofen)	MOUSE	5mg/kg (surgical dose)	1.0ml meloxicam (5mg/ml) + 9.0ml sterile saline or water for injection	0.5mg/ml	100ul per 10g	SC	24hrly
	RAT	2mg/kg (surgical dose)	1.0ml meloxicam (5mg/ml) + 1.5ml sterile saline	2mg/ml	100ul per 100g	SC	24hrly
<b>Buprenorphine (S8)</b> Analgesic (opioid)	MOUSE (Standard dose)	0.1mg/kg	1.0ml buprenorphine (0.3mg/ml) + 9.0ml sterile saline or water for injection	0.03mg/ml	100ul per 30g	IP SC	6-8hrly
	RAT (Standard dose)	0.1mg/kg	1ml buprenorphine (0.3mg/ml) + 4ml sterile saline or water for injection	0.06mg/ml	100ul per 200g	IP SC	6-8hrly
<b>Ketamine (S8) and xylazine (S4)</b> Injectable anaesthetic: standard mixtures	MOUSE (Standard dose)	100mg/kg ketamine + 10mg/kg xylazine	1ml ketamine (100mg/ml) + 0.5ml xylazine (20mg/ml) + 8.5ml sterile saline or water for injection	10mg/ml ketamine + 1mg/ml xylazine	100ul per 10g	IP	Once
	RAT (Standard dose)	75mg/kg (ketamine) + 10mg/kg xylazine	0.75ml ketamine (100mg/ml) + 0.5ml xylazine (20mg/ml) + 0.75ml sterile saline or water for injection	37.5mg/ml ketamine + 5mg/ml xylazine	200ul per 100g	IP	Once

<b>Bupivacaine (S4)</b> Local anaesthetic	<b>MOUSE (Standard dose)</b> 2mg/kg (Standard) 2.5mg/kg (Sobey/Drummond)	1.25ml bupivacaine (0.5% or 5mg/ml) + 3.75ml sterile saline	1.25mg/ml	16ul per 10g (Standard) 20ul per 10g (Sobey/Drummond)	SC	Once
	<b>RAT (Standard dose)</b> 2mg/kg	1.25ml bupivacaine (0.5% or 5mg/ml) + 3.75ml sterile saline	1.25mg/ml	160ul per 100g	SC	Once
<b>Atipamezole (S4)</b> Reversal agent for xylazine	<b>MOUSE (Standard dose)</b> 1mg/kg	0.5ml atipamezole (Antisedan) + 9.5ml sterile saline or water for injection	0.25mg/ml	40ul per 10g	SC	Once
	<b>RAT (Standard dose)</b> 1mg/kg	1ml atipamezole (5mg/ml) + 1.5ml sterile saline or water for injection	2mg/ml	50ul per 100g	SC	Once
<b>Pentobarbitone (S4)</b> Humane killing (undiluted)	<b>MOUSE And RAT</b> >200mg/kg	Pentobarbitone (Lethabarb)	325mg/ml	>20ul/30g mouse (advise administering 100ul/30g mouse if by IP route)	IP IV	Once
<b>Pentobarbitone (S4)</b> Deep anaesthesia for transcardial perfusion	<b>MOUSE And RAT</b> >200mg/kg	Equal volume of Pentobarbitone (Lethabarb) to equal volume of sterile saline or water for injection (1:1 dilution)	163mg/ml	100-200ul/30g mouse 500ul/250g rat	IP	Once
<b>Enrofloxacin</b>	<b>MOUSE (Standard dose)</b> ~40mg/kg per 24 hours	1.25ml enrofloxacin (Baytril) 5% injection + 250ml of drinking water	0.25mg/ml	Approx 4ml per 25g per 24 hours	Drinking water	Continuous

<b>(S4)</b> Antibiotic							
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