

GUIDELINES-PREPARATION OF BUPRENORPHINE FOR RATS

*ALL PREPARATIONS TO BE MIXED AND STORED IN A STERILE VIAL

*ALL DILUTION EXPIRE ONE MONTH AFTER MIXING!

- **Buprenorphine** dilution based on a dose of **0.01-0.5 mg/kg** from stock solution of 0.3mg/mL
- **Buprenorphine:** mix 0.5mL buprenorphine with 9.5mL sterile water/.09% saline = 0.015mg/mL; give **SC or IP**

	<i>Dose</i>	100g Rat	150g Rat	200g Rat	250g Rat	300g Rat
Buprenorphine (0.015mg/mL)	0.01 mg/kg	0.07 mL	0.10 mL	0.13 mL	0.17 mL	0.20 mL
Buprenorphine (0.015mg/mL)	0.05 mg/kg	0.33 mL	0.50 mL	0.67 mL	0.83 mL	1.0 mL

- **SR Buprenorphine** based on a dose of **1.5 mg/kg** from stock solution of 0.5mg/mL
- 23 ga needle recommended for withdrawing drug. 23-25 ga needle recommended for **SC dosing**
- **Dosage recommendations for SR Buprenorphine (dilutions forbidden)**

	<i>Dose</i>	100g Rat	150g Rat	200g Rat	250g Rat	300g Rat
SR Buprenorphine (0.5mg/mL)	1.2 mg/kg	0.24mL	0.36mL	0.48mL	0.60mL	0.72mL
SR Buprenorphine (1 mg/mL)	1.2 mg/kg	0.12mL	0.18mL	0.24mL	0.30mL	0.36mL

GUIDELINES - PREPARATIONS OF NSAID DILUTIONS FOR MICE

*ALL PREPARATIONS TO BE MIXED AND STORED IN A STERILE VIAL

*ALL DILUTION EXPIRE ONE MONTH AFTER MIXING!

- Meloxicam dilution based on a dose of 5mg/kg from stock of 5mg/mL
- Carprofen dilution based on a dose of 5mg/kg from stock solution of 50mg/mL

Mixing instructions for sterile vial:

- **Meloxicam** : mix 1mL to 9mL sterile water/.09%saline= **0.5mg/mL; give SC only**
- **Carprofen** : mix 0.1mL to 9.9mL sterile water/.09%saline= **0.5mg/mL; give SC only**

	<i>Dose</i>	100g Rat	150g Rat	200g Rat	250g Rat	300g Rat
Meloxicam (0.5mg/mL)	2 mg/kg	0.4 mL	0.6 mL	0.8 mL	1 mL	1.2 mL
Carprofen (0.5mg/mL)	5 mg/kg	1 mL	1.5 mL	2 mL	2.5 mL	3 mL