

GUIDELINES-PREPARATION OF BUPRENORPHINE FOR MICE

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 **0.05-0.1 mg/kg** from stock solution of 0.3mg/mL
- Buprenorphine: mix 0.5mL buprenorphine with 9.5mL sterile water/.09% saline = .015mg/mL; give **SC or IP**

	<i>Dose</i>	15g Mouse	20g Mouse	25g Mouse	30g Mouse	35g Mouse
<i>Buprenorphine (0.015mg/mL)</i>	<i>0.05 mg/kg</i>	0.05 mL	0.07 mL	0.09 mL	0.10 mL	0.12 mL
<i>Buprenorphine (0.015mg/mL)</i>	<i>0.1 mg/kg</i>	0.10 mL	0.15 mL	0.17 mL	0.20 mL	0.24 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>	15g Mouse	20g Mouse	25g Mouse	30g Mouse	35g Mouse
<i>SR Buprenorphine (0.5mg/mL)</i>	<i>1.5 mg/kg</i>	0.045 mL	0.06 mL	0.075 mL	0.09 mL	0.105 mL

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 solution of 5mg/ml.
- **Carprofen** dilution based on a dose of 5mg/kg from stock solution of 50mg/mL **Mixing instructions for 10mL 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>	15g Mouse	20g Mouse	25g Mouse	30g Mouse	35g Mouse
<i>Meloxicam (0.5mg/mL)</i>	<i>5 mg/kg</i>	0.15 mL	0.2 mL	0.25 mL	0.3 mL	0.35 mL
<i>Carprofen (0.5mg/mL)</i>	<i>5 mg/kg</i>	0.15 mL	0.2 mL	0.25 mL	0.3 mL	0.35 mL