**Meloxicam SR™**

**Description**

Meloxicam SR™ is a patented injectable, extended-release polymer system designed to release meloxicam for up to 72-hours following administration. It is available by prescription only.

**Key Features of Meloxicam SR™**

- Provides sustained release delivery of meloxicam in a fully biodegradable liquid polymer matrix
- Provides therapeutic blood levels for perioperative and postoperative analgesia in rats and mice (based on published studies1,2,3)
- Formulation can be injected subcutaneously through needles as small as 23 gauge

**How Supplied and Storage**

- To ensure stability the Meloxicam SR should be stored within a range of 3°C - 25°C. Prior to administration, the entire 5 mL vial should be brought to room temperature or patient body temperature for ease of injection.

**FAQ’s Regarding Optimal Administration**

**What are the recommended dose rates for Meloxicam SR in laboratory animals?**

- Laboratory Rats: 4 mg/kg* [In one 72-hour SC injection]
- Laboratory Mice: 4 mg/kg* [In one 72-hour SC injection]

*NOTE:* Dose rates above are based on clinical research experience and studies published in refereed journals, as well as compiled from cited professional formularies, pilot studies and data reported from reviewed trials awaiting publication. Researchers and clinicians should rely on their professional knowledge and judgment when determining the prescribing dose for Meloxicam SR. If administering Meloxicam SR for the first time, it is suggested that initial dose determination be based on lowest dosing recommendations.

**Why should the Meloxicam SR be at room temperature or body temperature for use?**

The Meloxicam SR at a concentration of 2 mg/ml is viscous when cold and should be brought to room temperature or body temperature at least 30 minutes before use. This makes it easier to draw-up and inject the desired Meloxicam SR dose.

It has also been determined that injecting the Meloxicam SR formulation at room temperature with its lowered viscosity and using a slow injection technique, minimizes animal discomfort during administration.

**Are there any other helpful injection guidelines I should follow?**

Some helpful guidelines are:

1. While the formulation can be injected through needles as small as 23 gauge, it is recommended that a larger needle (16 gauge to 18 gauge) be used to draw the Meloxicam SR from its vial. This makes syringe loading easier and minimizes loss in handling. **NOTE:** A luer-lock syringe is recommended for this technique.
2. Once the required volume has been loaded into your injection syringe, simply remove/replace the larger needle with the desired smaller-gauge needle before administration.

**What is the shelf life for Meloxicam SR?**

ZooPharm is a compounding pharmacy. Expiration is one year from date of compounding. Typically vials of Meloxicam will expire 10-12 months from the date of purchase. To find expiry date, ask our staff when placing your order.

**PLEASE NOTE:** While it is not necessary to keep putting the vial in and out of refrigeration while using it during the day, the formulation vial should be refrigerated as much as possible for maximum stability and shelf life.

**REFERENCES**


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