Formulation Record

Formulation Title: Ketoprofen 10% in Pluronic Lecithin Organogel

Formula No. 7

Quantity Prepared 100 mL

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
<th>Unit</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ketoprofen</td>
<td>10</td>
<td>g</td>
<td></td>
</tr>
<tr>
<td>Ethoxy diglycol</td>
<td>10</td>
<td>mL</td>
<td></td>
</tr>
<tr>
<td>Lecithin and isopropyl palmitate solution</td>
<td>22</td>
<td>mL</td>
<td>Prepared by mixing 50 g soy lecithin and 50 g isopropyl palmitate.</td>
</tr>
<tr>
<td>Pluronic F127 20% gel</td>
<td>qs</td>
<td>100 mL</td>
<td></td>
</tr>
</tbody>
</table>

Equipment Required:
- Balance
- Plastic luer-loc syringes
- Luer-to-luer connector

Compounding Instructions:
1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Accurately weigh/measure each ingredient.
3. Dissolve the ketoprofen in the ethoxy diglycol in a weigh boat.
4. Transfer the ketoprofen mixture to a syringe. Rinse the weigh boat with the lecithin and isopropyl palmitate solution and transfer to the syringe. Mix well.
5. Carefully remove the air from the syringe and determine the volume of Pluronic F127 gel needed.
6. Transfer sufficient Pluronic F127 20% gel to a second syringe with the luer-to-luer connector attached. Carefully remove the air from the syringe.
7. Attach the two syringes with the luer-to-luer connector. Transfer the mixture back-and-forth between the two syringes until well mixed.
8. Package in a tight, light-resistant container and label.

Stability:

Packaging:
Package in a tight, light-resistant container.

Labeling:
Use only as directed. For external use only.

Quality Control Procedures:
Actual weigh compared to theoretical weight
Physical observation (color, texture-spatula spread, feel)

Written by: ___________________________  Checked by: ___________________________