



PLO CREAM COMPOUNDING INSTRUCTIONS

INFORMATION FOR THE PHARMACIST



5% IBUPROFEN Using the *DiffusiMAX*[®] KIT

To make 100 grams of 5% **IBUPROFEN** using the *DiffusiMAX* Kit:

1. Clean equipment with alcohol.
2. Weigh out 5 grams of **IBUPROFEN** powder and place in a mixing vessel.
3. Make a paste by adding 5 mL of solvent [either ethyl alcohol (95%) or isopropyl alcohol (70%)]. Avoid using too much solvent, as this will reduce the consistency of the final product. The paste may be slightly granular.
4. If **Compound A** has been cooled, it may be solid. Warming to room temperature will allow it to liquify for use. **Compound B** has the unusual property of solidifying at room temperature. To liquify, refrigerate for at least 10 minutes prior to use.
5. Measure 25 mL *DiffusiMAX Compound A* and gradually add it to the **IBUPROFEN** paste. Mix until smooth.
6. Measure 75 mL *DiffusiMAX Compound B*.
7. The final product can be made in an ointment jar. Add the *DiffusiMAX Compound B* to the *DiffusiMAX Compound A* / **IBUPROFEN** mixture. Mix the two compounds until a thick cream is produced.
8. For clean-up, wipe equipment, rinse with cold water, and then wash with detergent.

Note: *DiffusiMAX* kits are prepackaged in the proper lipophilic:hydrophilic ratio. If you need to make a different size prescription, use a ratio of one part **Compound A** (lipophilic) to three parts **Compound B** (hydrophilic).

HOW SHOULD I STORE *DiffusiMAX* COMPOUND A AND COMPOUND B BEFORE USE?

Both **Compound A** and **Compound B** are stable at room temperature. The kit can be kept intact at room temperature until use. **Compound B** is solid at room temperature, so it should be refrigerated for approximately 10 minutes prior to use to allow it to liquify. It may be more convenient to separate the components of the kit, storing **Compound A** at room temperature and keeping **Compound B** in the refrigerator.

HOW DO I STORE THE FINAL PRODUCT?

IBUPROFEN in PLO gel should be stored at room temperature. Cooling may liquify the final product. If this occurs, further mixing can restore consistency. Shelf life of the **IBUPROFEN** / *DiffusiMAX* product is six (6) months.



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5% IBUPROFEN Using *DiffusiMAX*® PRE-MIXED CREAM

To make 100 grams of 5% **IBUPROFEN** in *DiffusiMAX* pre-mixed cream:

1. Clean equipment with alcohol.
2. Weigh out 5 grams of **IBUPROFEN** powder and place in a mixing vessel.
3. Make a paste by adding 5 mL of solvent [either ethyl alcohol (95%) or isopropyl alcohol (70%)]. Avoid using too much solvent, as this will reduce the consistency of the final product. The paste may be slightly granular.
4. Measure 100 grams of *DiffusiMAX* pre-mixed cream. If the cream had previously been cooled, it may be partially liquid. Mixing will restore its proper consistency.
5. Mix the **IBUPROFEN** paste into the *DiffusiMAX* cream. The final product can be made in the ointment jar.
6. For clean-up, wipe equipment, rinse with cold water, and then wash with detergent.

HOW SHOULD I STORE *DiffusiMAX* PRE-MIXED CREAM BEFORE USE?

DiffusiMAX pre-mixed cream is stable at room temperature and should be stored at room temperature. Cooling may liquify the pre-mixed cream. If this occurs, further mixing can restore consistency.

HOW DO I STORE THE FINAL PRODUCT?

IBUPROFEN in PLO gel should be stored at room temperature. Cooling may liquify the final product. If this occurs, further mixing can restore consistency. Shelf life of the **IBUPROFEN** / *DiffusiMAX* product is six (6) months.

COMMENTS OR QUESTIONS? CONTACT US AT:

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