



SUGGESTED FORMULA

Metformin Hydrochloride 10% Transdermal Cream

Version number: 1.0

Volume or quantity: 100 g

Metformin Hydrochloride, BP	M1566	10 g
Propylene Glycol, USP	PR130	QS
Base, Liposome Cream	B1204	Q.S. 100 g

SUGGESTED COMPOUNDING PROCEDURES

There are numerous methods for compounding transdermal gels – this is one method:

1. Weigh Metformin Hydrochloride and triturate to fine powder
2. Wet Metformin Hydrochloride with sufficient amount of Propylene Glycol, USP to form a paste
3. Weigh Liposome Cream base to QS final weight
4. Using geometric dilution incorporate step 2 into Liposome Cream until uniform
5. Fill metered transdermal syringe or metered dispensing device (e.g. Topi-click) and label
6. Alternatively, preparation may be prepared in EMP ointment jar and mixing per EMP manufacturer guidelines and/or milled and transferred to syringe(s) or metered dispenser
7. Suggested Quality assessments:
 - a. color
 - b. texture
 - c. no air bubbles
 - c. container
 - d. Label - auxiliary labels, storage, BUD, compounded medication

Store in air-tight container, at controlled room temperature.

No claims are made as to the safety or efficacy of this preparation. This formulation is provided solely at the unsolicited request of the pharmacist.

Beyond-Use Dates of preparations are conservative estimates from reference books, peer-reviewed literature, intended duration of therapy, formulation from commercially available products, organoleptic observations and current USP guidelines. Compounders may have stability studies performed by a reputable laboratory if they wish to extend the Beyond-Use Date. It is recommended that you follow USP <795> recommendations for potency testing.

Beyond-Use Date estimated to be 30 days

Precautions:

Precautions should be taken to prevent cross-contamination and exposure of ingredients to the compounder and contamination of the preparation by the compounder. Wear appropriate protective equipment. Use safety enclosures (hoods) when weighing and mixing.

04/17rd