



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)	XmL
Lipocream (B4520)	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 to form a paste
3. Using geometric dilution incorporate step 2 into Lipocream until uniform
4. Bring to final volume with Lipocream
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, and 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 should be assigned as directed by the current USP <795>

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.

Although much attention has been paid to ensure the accuracy of the formulation contained here, Spectrum Pharmacy Products accepts no liability for the loss or damage arising from reliance on the information. Compounding pharmacists using this formula take full responsibility for the formulations and hold Spectrum Pharmacy Products and Spectrum Chemical Mfg Corp. and its officers, directors and employees harmless for any claim arising from use of or reliance on information contained therein.

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Phone: 800.370.6231 | Fax: 732.608.5420 | Internet: SpectrumRx.com | Email: sales@spectrumrx.com
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