

**SUGGESTED FORMULA**

Metformin Hydrochloride 100mg/mL Aqueous Suspension, Stabilized

Version number: 1.0

Volume: 100 mL

Metformin Hydrochloride, BP (M1566)	10gm
Xylitol, NF (X1017)	40gm
Potassium Bicarbonate, USP (PO158)	0.500gm
Potassium Sorbate, NF (PO301)	0.120gm
Saccharin Sodium (Anhydrous)	0.275gm
Hydrochloric Acid, Diluted (10% or 0.1N)	0.4mL
Cherry Flavor (C1743)	0.275mL
Water, Purified USP (W1014)	Q.S. 100mL

SUGGESTED COMPOUNDING PROCEDURES

1. Calculate the required quantity of each ingredient for the total amount to be prepared
2. Accurately weigh and/or measure each ingredient
3. Add the Potassium Bicarbonate and Metformin Hydrochloride to about 50mL of Purified water and stir until dissolved
4. Dilute the Hydrochloric Acid 10% with about 5mL of Purified water and slowly add to the solution with stirring *Note: this results in formation of carbon dioxide gas
5. Add the Xylitol and Potassium Sorbate and stir until fully dissolved. Note: It may be necessary to heat, but do not allow to exceed 30°C
6. Allow the mixture to cool and add the flavor and the Sodium Saccharin
7. Stir until dissolved
8. Add sufficient purified water to 99mL and mix well
9. Adjust the pH by using a dilute solution of the Hydrochloric Acid 10% to a pH range of 4.6 to 4.9
10. Add sufficient purified water to volume and mix well
11. Package and label
12. Suggested Quality Assessments – follow pharmacy SOPs:
 - a. Weight to Volume calculation
 - b. Color
 - c. Clarity
 - d. Label - auxiliary labels, storage, BUD, compounded medication

Store in air tight, amber plastic containers

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 by the formulator using 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 of 30 Days can be used for this preparation or less for duration therapy per CompoundingToday.com Formula#1336

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.

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