



Magnum Compounding LLC
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**LET'S DO THIS
TOGETHER**

COMPOUNDED INJECTABLE FORMULA INFORMATION SHEET

Product Name: Methylcobalamin Injection (Vitamin B12)

Formulation Type: Sterile Injectable Solution (Intramuscular Use, Subcutaneous Use)

Vial Size: 30 mL

ACTIVE INGREDIENTS (per mL)

Ingredients	Strength (mg / mL)	Role & Benefits
Methylcobalamin	1	Neurological health, red blood cell formation, and energy production.

OTHER INGREDIENTS:

- Benzyl Alcohol 0.9% (Preservative)
- Sterile Water for Injection, USP (Diluent / Base)
- pH adjusted with Sodium Hydroxide and/or Hydrochloric Acid may be used

DESCRIPTION: Methylcobalamin is a highly bioavailable form of Vitamin B12, essential for neurological function, DNA synthesis, and red blood cell formation. Unlike cyanocobalamin, methylcobalamin is directly active in the body. It helps lower homocysteine levels, supports memory and mood, and contributes to energy production by aiding in the metabolism of fats, proteins, and carbohydrates.

INDICATIONS:

- Vitamin B12 deficiency or insufficiency
- Fatigue and low energy
- Support for mood, cognition, and memory
- Peripheral neuropathy or neurological dysfunction
- Cardiovascular support via homocysteine reduction

DOSAGE & ADMINISTRATION: This product should be used under the guidance of a licensed healthcare provider. Typical dosing: 1–2 mL SC or IM once or twice weekly. Always use sterile technique when preparing and administering injections.

If you have any questions or concerns regarding your medication, please do not hesitate to contact us.



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STORAGE: Store refrigerated at 2°C to 8°C (36°F to 46°F). Do not freeze. Protect from light and heat. Keep the vial capped when not in use.

SHIPPING & HANDLING: Shipped cold in an insulated container. If the product appears damaged, tampered with, or outside the recommended temperature range, do not use it and contact the pharmacy immediately.

WARNINGS & PRECAUTIONS:

- Avoid if allergic to Vitamin B12
- Patients with Leber's disease or optic atrophy should not use this product
- Use caution in individuals with low iron or folate levels
- Avoid grapefruit products, which may interfere with absorption
- Not recommended for use in pregnancy or lactation without provider approval
- Always inform your healthcare provider about all medications and supplements you are taking

POTENTIAL SIDE EFFECTS:

- Nausea, vomiting, diarrhea
- Headache or mild dizziness
- Local injection site reactions
- Rare: Anorexia, rash, allergic reaction

DRUG DISPOSAL: Unused or expired compounded medications should be disposed of properly according to local regulations. Do not flush medications down the toilet or pour them into a drain unless instructed to do so. Consult with your pharmacy or local waste disposal authority for appropriate disposal methods. Magnum Compounding can provide guidance or accept returned compounds for proper disposal when applicable. For more information: <https://www.fda.gov/drugs/safe-disposal-medicines/disposal-unused-medicines-what-you-should-know>.

INJECTION SAFETY CONSIDERATIONS (CDC GUIDANCE):

- Medications should be drawn up in a designated clean medication preparation area using a new sterile syringe and sterile needle.
- Prepare an injection as close as possible to the time of administration to the patient.
- Do NOT leave the needle inserted into a medication vial septum for multiple uses.
- Vials labeled as single-dose or single-use should be used for only a single patient and entered only once.

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- Do NOT combine (pool) leftover contents of single-dose or single-use vials or store them for later use.
- If a single-dose or single-use vial has been opened or accessed (e.g., needle-punctured), it should be discarded according to pharmacy policy or at the end of the procedure, whichever is sooner.
- Discard any medication vial if sterility is compromised or questionable.
- Multi-dose vials should be dedicated to a single patient whenever possible.
- Once opened, multi-dose vials must be dated and discarded within 28 days unless otherwise specified by the pharmacy label.

REFERENCE:

- National Institutes of Health – Office of Dietary Supplements
<https://ods.od.nih.gov/factsheets/VitaminB12-HealthProfessional/>
- Allen LH. Vitamin B12. In: Coates PM et al., Encyclopedia of Dietary Supplements. 2nd ed. Informa Healthcare; 2010:812–20.

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