

Information For the User
methylcobalamin (500mcg) injection

Nuroslide 500 Injection

Nuroslide 500 Injection

Composition:

Each 1 ml ampoule contains:

- **Methylcobalamin IP** ... 500 mcg
- **Water for Injection IP** ... q.s.

Dosage Form:

Injection (Intramuscular or Intravenous)

Therapeutic Category:

Vitamin B12 Analog – Neuroprotective Agent

Pharmacology & Mechanism of Action:

Methylcobalamin is the neurologically active form of vitamin B12. It acts as a coenzyme in the synthesis of methionine from homocysteine and in the conversion of methylmalonyl-CoA to succinyl-CoA. These reactions are vital for DNA synthesis, neuronal repair, and red blood cell formation. It enhances protein synthesis in nerve cells and promotes regeneration of damaged nerves, making it effective in peripheral neuropathies.

Indications:

- Peripheral neuropathy
- Diabetic neuropathy
- Alcoholic neuropathy
- Megaloblastic anemia due to vitamin B12 deficiency
- Supportive therapy in neurological disorders

Dosage & Administration:

- **Adults:** 500 mcg – 1500 mcg intramuscularly or intravenously, 2–3 times per week or as directed by the physician
- Frequency and duration depend on severity and clinical response
- To be administered by a healthcare professional

Contraindications:

- Hypersensitivity to methylcobalamin or any component of the formulation
- Not to be used in Leber's disease (hereditary optic neuropathy)

Warnings & Precautions:

- Use cautiously in patients with renal insufficiency
- Monitor vitamin B12 levels during prolonged therapy
- Not intended for treatment of cyanide poisoning
- Should be used with caution in pregnancy and lactation

Adverse Effects:

- Generally well tolerated
- Rare: Rash, pruritus, headache, nausea
- Very rare: Anaphylactic reaction at injection site, dizziness

Drug Interactions:

- Chloramphenicol may reduce the hematologic response to vitamin B12
- Avoid concurrent use with other vitamin B12 antagonists unless prescribed

Overdose:

- Methylcobalamin has a wide safety margin
- No specific antidote; management is symptomatic and supportive

Storage:

Store below 25°C in a dry place

Protect from light

Keep out of reach of children

Do not freeze

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I,

Panchkula-134113

TM: Trademark Applied for