

# Subneuro<sup>®</sup>

(Sublingual Vitamin B<sub>12</sub>)

## Composition:

### Each Uncoated Sublingual Tablet Contains:

Methylcobalamin I.P... .....1500 mcg

Excipients... ..... q.s

## Pharmacology:

### Methylcobalamine:

It is also called as Vitamin B12. It is a water-soluble vitamin that is naturally present in some foods, added to others, and available as a dietary supplement and a prescription medication. Vitamin B12 exists in several forms and contains the mineral cobalt, so compounds with vitamin B12 activity are collectively called “cobalamins”. Methylcobalamin and 5-deoxyadenosylcobalamin are the forms of vitamin B12 that are active in human metabolism. Vitamin B12 is required for proper red blood cell formation, neurological function, and DNA synthesis.

Vitamin B12 deficiency is characterized by megaloblastic anaemia, fatigue, weakness, constipation, loss of appetite, and weight loss. Neurological changes, such as numbness and tingling in the hands and feet, can also occur. Additional symptoms of vitamin B12 deficiency include difficulty maintaining balance, depression, confusion, dementia, poor memory, and soreness of the mouth or tongue. The neurological symptoms of vitamin B12 deficiency can occur without anaemia, so early diagnosis and intervention is important to avoid irreversible damage.

Vitamin B12, bound to protein in food, is released by the activity of hydrochloric acid and gastric protease in the stomach. When synthetic vitamin B12 is added to fortified foods and dietary supplements, it is already in free form and, thus, does not require this separation step. Free vitamin B12 then combines with intrinsic factor, a glycoprotein secreted by the stomach's parietal cells, and the resulting complex undergoes absorption within the distal ileum by receptor-mediated endocytosis. Approximately 56% of a 1 mcg oral dose of vitamin B12 is absorbed, but absorption decreases drastically when the capacity of intrinsic factor is exceeded (at 1–2 mcg of vitamin B12).

## Indication:

- ❖ Vitamin B12 deficiency.

- ❖ IBD.
- ❖ Dementia.
- ❖ Tinnitus.
- ❖ Megaloblastic/Pernicious anemia.
- ❖ Neuropathy.
- ❖ Post right hemicolectomy.
- ❖ Non specific low back pain.

**Contraindications:**

Subneuro is contraindicated in patients with hypersensitivity to cobalt and/or vitamin B12 or.

**Drug Interactions:**

Absorption of vitamin B12 from the gastrointestinal tract may be reduced by neomycin, amino salicylic acid, histamine H2-antagonists, omeprazole, and colchicine. Serum concentrations may be decreased by use of oral contraceptives. Many of these interactions are unlikely to be of clinical significance but should be taken into account when performing assays for blood concentrations.

**FOR THERAPEUTIC USE.**

**Route of administration:** Oral.

**Sugar free Sublingual tablet.**

**Flavour:** Delicious Berry Flavour.

**Dosage:** As directed by the Physician.

**Storage:** Store in a cool, dry & dark place.

**Presentation:** Subneuro B6 is available as 10x 10 Tablet.

**Marketed By:**



**EPIONE PHARMACEUTICALS PVT.LTD.**

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