

**Properties:**

Neurobion® is a combination of three vitamins, B<sub>1</sub>, B<sub>6</sub>, and B<sub>12</sub>.

Vitamin B<sub>1</sub> participates in the production (release) of the energy required for cellular processes (Krebs cycle, acetylcholine synthesis, and pentose pathway).

Vitamin B<sub>6</sub>, serves as a coenzyme in several enzymatic reactions, and is involved in the formation of serotonin, vitamin PP and GABA synthesis.

Vitamin B<sub>12</sub>, in coenzyme form, is essential for haematopoiesis.

**Indications:**

- Any condition that leads to a deficiency or increased needs for these vitamins
- Iatrogenic vitamin deficiency (antibiotic use, dianicotyl)
- Possibly effective in all forms of alcoholism (mainly alcoholic encephalopathy) and detoxification treatment

**Contraindications:**

History of allergy to cyanocobalamin

**Caution at administration:**

Regarding Neurobion® ampules:

Medicine should not be administered to newborns. Also, it should not be administered to children aged up to two years because it contains benzyl alcohol as a preservative agent.

**Precautions:**

Vitamin B<sub>6</sub> activates peripheral DOPA-decarboxylase. Therefore, Vitamin B<sub>6</sub> should not be administered in conjunction with LEVODOPA, unless in combination with a dopa-decarboxylase inhibitor

Vitamin B<sub>6</sub> daily intake should not exceed 2g

**Adverse events:**

Rare allergic reactions. Reactions of the peripheral nervous system, mainly paraesthesia-type reactions, have been observed following prolonged daily administration of high doses (2 to 3g) of Vitamin B<sub>6</sub> and of this product.

**Treatment of poisoning effects:**

Not applicable as there is no likelihood of poisoning.

Athens Poisoning Centre Call Number: 210 77 93 777

**Dosing and Administration:**

**Neurobion® ampules** are slowly injected intramuscularly (deep intragluteal). 1 Neurobion® ampoule is administered daily during the acute stage. 2-3 ampules a week are administered during the recovery stage. In case of milder conditions, this dosing may be adjusted accordingly.

**Neurobion® coated tablets** are administered between injections, as treatment continuation following injected administration, as well as for the prevention of relapses. In general, 1-3 coated tablets are administered 3 times daily, during or after meals. A higher daily dose may be administered as no effect is expected as a result of overdosing. 1 coated tablet daily is adequate for treatment during pregnancy.

**Composition:**

**Neurobion® ampoules:** Each 3 mL ampule of solution contains 100 mg of Vitamin B<sub>1</sub> (thiamine), 100 mg of Vitamin B<sub>6</sub> (pyridoxol), and 1000µg of Vitamin B<sub>12</sub> (cyanocobalamin).

**Neurobion® sugar-coated tablets:** Each coated tablet contains 100 mg of Vitamin B<sub>1</sub> (thiamine), 200 mg of Vitamin B<sub>6</sub> (pyridoxol), and 200µg of Vitamin B<sub>12</sub> (cyanocobalamin).

**Forms and packaging:**

**Neurobion® ampoules:** Packet of 3 ampules of 3 mL each

**Neurobion® coated tablets:** 20 tablet packet

Do not use the medicine after the expiry date marked on the packet

Keep all medicines away for children, in a cool area, away from moisture.

**Marketing Authorisation Holder**

Merck KGaA, Darmstadt, Germany

**Marketed by**

Merck S.A., 41-45 Kifisia Ave. (B Building), 151 23 Marousi, Tel.: 210 61 65 100

**Manufacturer**

Galenica S.A., 4 Eleftherias, 145 64 Kifisia