

# Semax 0.1% nasal drops (blue pack) instructions

translated from original Russian instructions by Extrapharmacy Online Store

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Name in Cyrillic : СЕМАКК

**Active substance** : Methionyl histidyl-glutamyl-glycyl-phenylalanyl-prolyl-proline

**Pharmacologic effect** : adaptogenic, nootropic.

Semax improves memory and learning, improves the organism adaptation to hypoxia, cerebral ischemia, anesthesia and other effects.

In terms of mental fatigue, Semax improves operator activity, contributes to the preservation of mental capacity and accelerates its recovery. It improves the energetic processes of the brain, increasing its resistance to stress damage.

## **Pharmacodynamics:**

Stimulates selective attention in the training and analyzing information. Improves consolidation of the memory trace.

## **Pharmacokinetics:**

Absorbed by the nasal mucosa (60-70% based on the active substance). Rapidly distributed to all organs and tissues, penetrate the BBB. When injected into the blood Semax sufficiently rapidly degrades and is excreted from the body.

## **Indications :**

Intellectual-mental disorders in the brain vascular lesions, post-traumatic brain injury and brain surgery; prevention and treatment of post-anesthesia and asteno-nevrotic disorders of various origins, including after exposure to ionizing radiation; to improve adaptation in extreme situations; Prevention of mental fatigue when the monotone operator's activity in stressful periods of work and in emergency situations.

*Ophthalmology:* atrophy of the optic nerve, neuritis of the inflammatory, toxic-allergic and vascular etiology.

*In pediatrics:* as nootropic agents in children aged 5 to 14 years in the treatment of minimal brain dysfunction (including ADHD - Attention Deficit Hyperactivity Disorder).

## **Contraindications**

Hypersensitivity, acute psychotic states; disorders accompanied by anxiety; endocrine disease, pregnancy, breast-feeding, age up to 5 years.

**Side effects:** Agitation, insomnia.

## **Interaction :**

As Semax is taken intranasally, intranasal administration of agents possessing local vasoconstrictive action is desirable.

## **Dosing and Administration :**

Semax is taken intranasally. The volume of one drop is 0.05 ml (50 mcl).

One drop contains 50 micrograms of heptapeptide.

Take 2-3 drops (no more) in each nostril. If necessary, increase the dose of drops instilled in divided doses at intervals of 10-15 minutes. Single dose - 200-2000 mcg (3-30 mcg / kg), daily dose - 500-5000 mcg (7-70 mcg / kg).

The drug is administered daily for 3-5 days, if necessary treatment extend to 14 days.

In diseases of the optic nerve - 2-3 drops in each nostril 2-3 times a day. The daily dose - 600-900 mcg / day. The course of treatment is 7-10 days. In addition, the introduction by endonasal electrophoresis anode is possible: the current power of 1 mA, duration of exposure - 08/12/15 min. The daily dose is 400-600 mcg / day. The course of treatment is 7-10 days.

In pediatrics: with minimal brain dysfunction drug instill 1-2 drops in each nostril 2 times a day (morning and afternoon). The daily dose is 200-400 mcg / day. The course of treatment is 30 days.

**Manufacturer** Peptogen, Moscow, Russia

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## **Storage**

Store in refrigerator, dark place, the temperature is 8-10° C, don't froze. Keep out of the reach of children.

Shelf-life of the drug is 2 years.