

Thymalin Instruction

ATX code: L03AX (Other immunostimulants)

Active ingredient: thymus extract

Dosage form: Lyophilisate for the preparation of a solution for intramuscular injection 10 mg: vial, 10 pcs.

Dosage form, packaging, and composition of Timalin®

Lyophilisate for the preparation of a solution for intramuscular injection in the form of a tablet, whole, partially, or fully crushed, white or white with a yellowish tint; the reconstituted solution is clear, colorless, or yellowish.

1 vial

Thymus extract* 10 mg

- Obtained from the thymus glands of calves and young cattle under one year old.

Excipients: Glycine - 20 mg.

Glass vials (10) - cardboard boxes.

Clinical and pharmacological group: Immunostimulant

Pharmacotherapeutic group: Immunostimulating agent

Pharmacokinetics:

Completely absorbed from the injection site and rapidly broken down into its constituent natural amino acids.

Pharmacological action:

Restores impaired immunological reactivity (regulates the quantity and ratio of T- and B-lymphocytes and their subpopulations, stimulates cellular immune responses, enhances phagocytosis), stimulates regeneration and hematopoiesis when these processes are suppressed, and improves cellular metabolism.

Indications for Timalin®:

Immunodeficient conditions in adults and children aged 6 months to 14 years, in cases of:

- Infectious purulent and septic processes
- Persistent thymus dysfunction (radiation sickness, neoplastic processes of the thymus, surgical removal of the thymus)
- Acute and chronic viral and bacterial infections
- Disruption of regenerative processes
- Suppressed immunity and hematopoiesis following chemotherapy or radiation therapy in cancer patients.

Dosage and Administration:

The contents of the vial are dissolved in 1-2 ml of 0.9% sodium chloride solution immediately before injection. The reconstituted solution should not be stored.

The drug is administered intramuscularly daily in the following doses:

- Adults: 5-20 mg (30-100 mg per course)
- Children aged 6 months to 1 year: 1 mg
- Children aged 1-3 years: 1.5-2 mg

- Children aged 4-6 years: 2-3 mg
- Children aged 7-14 years: 3-5 mg
The treatment duration is 3-10 days, depending on the severity of immune system disorders.

If necessary, a repeat course can be conducted (after 1-6 months).

For prophylactic purposes, the drug is administered intramuscularly daily:

- Adults: 5-10 mg
- Children: 1-5 mg
The duration is 3-5 days.

There is no data on dosage adjustments for patients with kidney or liver dysfunction, or for elderly patients.

Side effects:

Possible: allergic reactions.

Contraindications:

- Hypersensitivity to the active or excipient substances of the drug
- Pregnancy
- Breastfeeding period
Use with caution in patients with a history of allergies.

Use during pregnancy and breastfeeding:

The use of the drug is contraindicated during pregnancy and breastfeeding.

Use in children:

The drug is prescribed to children aged 6 months and older.

Special precautions:

Relative contraindications for the use of peptide-based drugs derived from the thymus of cattle include the perimenstrual period and certain endocrine syndromes (pituitary adenoma, acromegaly).

The use of peptide-based drugs derived from the thymus of cattle in patients with severe endocrine disorders and in women during the second phase of the menstrual cycle may more frequently cause side effects.

It is not recommended to consume alcoholic beverages during the use of the drug.

Effect on the ability to drive vehicles and operate machinery:

The drug does not affect the ability to perform potentially dangerous activities that require increased concentration and quick psychomotor reactions (driving vehicles, working with moving machinery, dispatcher or operator work).

Overdose:

Symptoms: Intensification of dose-dependent side effects.

Treatment: Symptomatic therapy.

Drug interactions:

Thymus extract is compatible with isoniazid, immunostimulants, glucocorticoid medications, rifampicin, and analgesics.

Simultaneous use of drugs with a similar mechanism of action to Timalin® should be avoided. The drug may exhibit synergy with certain pituitary hormones (GH, LH) and estrogens.

The action of Timalin® is antagonistic to the effects of progestins, androgens, and adrenal hormones in terms of their impact on the lymphatic system and bone marrow.

Storage conditions for Timalin®:

The drug should be stored in a light-protected, childproof location at a temperature not exceeding 25°C.

Shelf date:

The shelf life is 3 years. Do not use after the expiration date.

Dispensing conditions:

The drug is available by prescription.