

Protoplazma (Protoplazma)

Dosage form: Injectable solution, for veterinary use

Pharmacotherapeutic group

Immunostimulating, anti-stress, antimicrobial, antiviral, energy-supporting agent.

Target species

All animal species and poultry.

Composition

1 ml of injectable solution contains:

Plant stem cell concentrate (*Glycine max*, *Hordeum vulgare*) – 100 mg

Excipients: Sodium chloride, water for injection.

Pharmacological properties

The rich, multi-component composition of the natural biologically active compound “Protoplazma” ensures high efficacy and a broad spectrum of action. It exhibits antibacterial, antiviral, anti-stress and energy-supporting activity.

The product also has pronounced antioxidant, immunomodulatory, hepatoprotective and detoxifying properties.

The mechanism of action is based on activation of biochemical processes in tissue cells. It regulates the gastrointestinal system (activates natural intestinal microflora – bifidobacteria and lactobacilli), restores hormonal balance, strengthens the cardiovascular system and liver function, and demonstrates anti-inflammatory, analgesic and tissue regenerative effects.

It creates optimal conditions in the body for viral elimination, enhances specific immune response during vaccination, supports restoration of specific and non-specific resistance, increases T- and B-lymphocyte levels in blood, and reduces the risk of autoimmune reactions.

The energy-supporting effect expands physiological capacity, promotes muscle mass gain, improves movement speed, strength recovery and endurance.

The active substance is eliminated from the body within 24 hours and is not detected in blood serum thereafter.

Indications

Used as an immunostimulating, anti-stress, antimicrobial, antiviral and energy-supporting agent:

- For formation and stimulation of immunity;
 - To enhance natural resistance;
 - To accelerate regenerative processes in purulent-inflammatory diseases (wounds, abscesses, etc.) in complex therapy;
 - In stress situations (transportation, before/after surgery, animal restraint);
 - For prevention and treatment of bacterial and viral respiratory and gastrointestinal diseases (as part of complex therapy);
 - To enhance vaccination effectiveness and reduce post-vaccination complications;
 - To restore strength and increase endurance during prolonged physical exertion.
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Dosage and administration

Administered intramuscularly or subcutaneously to poultry, cattle, small ruminants, horses, camels, pigs, dogs and cats.

For infectious and viral diseases (early stage):

1 ml per 100 kg body weight, once every 24–48 hours, up to 5 injections.

For viral infections: once every 24 hours for 5–10 days.

If necessary, repeat after 5–10 days.

For prevention:

2–3 times per month (interval 10–14 days).

Treatment duration depends on clinical response. Dose doubling is allowed if necessary.

Other regimens include use in mass disease outbreaks, stress prevention, surgical preparation, and sports performance in horses.

Withdrawal period

Meat, milk and eggs – no restrictions.

Storage conditions

Store in a dry, light-protected place at temperatures not exceeding 25°C.

After first opening, use within 21 days.

Shelf life: 2 years.

Manufacturer: Biotecsi, Georgia.