BIOSELET® E
Solution for injection

COMPOSITION

Content	Bioselet® E
Sodium selenite	0.6 mg
D,L-α-tocopherol acetate (Vit.E)	25.0 mg
Excipients: Butylhydroxytoluene, benzyl alcohol, macrogolglycerol ricinoleate, citric acid, water for injections.	Up to 1 ml

PHARMACOLOGICAL ACTION

Selenium and Vitamin E belong to the biological antioxidants. They prevent forming of peroxides from the unsaturated fatty acids, participating in the pathogenesis of the encephalomalacia, muscular dystrophy and other myopathies in mammals. They facilitate the defence of the organism against stress. Selenium is an important part of the enzyme glutathione peroxidase. This enzyme destroys the peroxides prior to them damaging the tissues. Selenium and Vitamin E prevent the cells from peroxidase damage. There is a synergism between selenium as a microelement and vitamin E. Vitamin E is easily destroyed in presence of peroxides (rancid feed, etc.). Selenium increases the immune defence of the animals. This effect is larger in presence of vitamin E. The same is valid also for the synthesis of the sulphur-containing aminoacids in the body.
The product stimulates fertility, (enhances spermiogenesis and fertilization ability, improves the pregnancy carrying and growth, as well as the resistance of the organism against infectious diseases.

INDICATIONS

In muscular dystrophy, exudative diathesis, encephalomalacia; in stress situation; in cases of infertility; in dietetic hepatosis in pigs; for increasing the resistance against diseases in young animals; as antidote in case of poisoning with ionophore antibiotics (monensin, salinomycin, etc.).

CONTRAINDICATIONS

Not established.

MODE OF ADMINISTRATION

Intramuscularly.

TARGET SPECIES

Calves, lambs, pigs and dogs.

DOSAGE

Calves, lambs and pigs
1.0 ml/10 kg b.w. in the course of 3-4 days.
Dogs
1.0 ml/10 kg b.w. in the course of 5 days.

SIDE EFFECTS

In case of overdosing (exceeding 5 times the recommended maximum doses) manifestations typical for selenium intoxication are possible. To overcome the disturbances occurred it is recommendable to administer acetylcysteine at an initial dose of 140 mg/kg b.w. intravenously and then 70 mg/kg b.w. daily, divided into 4 doses aiming to increase glutathione level together with symptomatic and maintaining therapy.

WITHDRAWAL PERIOD

Not applicable.

STORAGE

In the original packing, in dry and well-ventilated facilities, protected from direct sunlight.

PACKING

Glass vials of 50 ml and 100 ml.

WARNING

Keep out of reach of children.
If the product comes on skin, wash the affected area with a lavish quantity of water.