

MYOGASTER®-E Injectable solution

Contains per mL: Vitamin E 100 mg - Selenium sodium anhydrate 1.32 mg

Looking at the
bright side of life
with Myogaster-E



Protection + Immunity + Endurance

- ✓ Cell protection and cellular immunity
- ✓ Increased fertility
- ✓ Accelerated growth

→ Visible improvement after 1 to 2 days

VMD
Livestock **pharma**

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Indications

- **Cattle:**
 - White muscle disease
 - Post-partum complications
 - General selenium shortage at birth
- **Pigs:**
 - Mulberry heart disease
 - Acute hepatitis dietetica
 - Gastrointestinal irritation
- **Scheep:**
 - White muscle disease
 - Condition failure
 - Steatitis
- **Horse:**
 - White muscle disease



Dosage and administration

Intramuscular injection

All animals:

- **Preventive:** 1 mL per 10 kg body weight, half the dose may be repeated each 2 weeks
- **Therapeutic:** 1 mL per 5 kg body weight



Practical use:

Cow	2 x 15 mL, 4 weeks before partus
Sow	10 mL, 2-4 weeks before partus
Ewe / goat	5 mL, 2-4 weeks before partus
Horse	20 mL, in clinical manifestations
Calf	5 mL at birth
Piglet	2 mL at weaning
Lamb	0.5 mL at birth
Foal	5 mL at birth



Contraindications

No known contraindications.

Withdrawal period

Zero days.



Storage

Store cool (between 2°C and + 25°C) and protect from light.

Presentation

100 mL multidose vial
48 vials per carton

TRIPLE ACTION

1. PROTECTION

→ **Synergistic antioxidant protection of cellular membranes**

- **Vitamin E**
 - First line of defence against peroxidation of vital phospholipids
 - Oxidation of free radicals
 - Neutralisation of free radicals
 - Inhibits spontaneous oxidation of highly unsaturated substances
- **Selenium**
 - Glutathione peroxidase (selenoprotein) eliminates peroxides before free radicals are formed

2. IMMUNITY

→ **Vitamin E boosts the immunity on multiple levels**

- **Prostaglandin E2**
 - Vitamin E decreases the PGE2 production
 - Decreased levels of PGE2 result in an increased cellular immunity
- **T-helper cells**
 - Vitamin E increases the proliferation of T-helper cells
 - Positive influence on the T-helper/cytotoxic cell ratio
- **Increased membrane fluidity**
 - Positive impact on antigen recognition
 - Liquid-soluble antioxidant in cellular and subcellular membranes
 - Increased cell response
 - Accelerated membrane repair

3. ENDURANCE

→ **Selenium is a crucial component for selenoproteins, these proteins are vital for many metabolic processes.**

- **Selenoprotein W**
 - Critical enzyme in muscles and brain
- **Sperm capsule selenoprotein**
 - Enhances sperm movement
- **Iodothyronine deiodinases and thioredoxin reductase**
 - Critical enzymes in activation and deactivation of thyroid hormones