

# Boldemax® A.P.

Injectable Solution  
Long-acting Anabolic

**ALDAMEX** LIMITED

## FORMULATION

Boldenone undecylenate..... 5 g  
Slow release vehicle and excipients..... q.s.ad..... 100 mL

## DESCRIPCIÓN

Long-acting anabolic on oily injectable solution for cattle and other species. **Boldemax® A.P.**, offers the possibility of achieving an increase and improvement in body mass, and get an optimal weight gain.

## CHARACTERISTICS

Boldenone is the anabolic agent of **Boldemax® A.P.** Its use is widespread in veterinary medicine. This semi-synthetic anabolic derivative of testosterone (hormone produced by the testicles) has modifications at chemical radicals attached to the steroid molecule, which imparts highly anabolic properties and reduced androgenic action.

In addition to the characteristics of the active ingredient, its exclusive vehicle allows slow release of active ingredient from the point of application, which raises the concentration of the same and maintains a more prolonged action.

## MECHANISM OF ACTION

The mechanism of action of boldenone is based on the following principles:

- It acts by promoting the increase in muscle mass through various physiological mechanisms by increasing nitrogen retention.
- Is myotrophic, it acts in the cytoplasm of the muscle cell, promotes the release of alpha reductase enzyme in the nucleus, allowing the RNA to use amino acids and protein (nitrogen) from the diet to transform them into muscle tissue.
- Furthermore, it has the action to retain calcium, phosphorus, potassium and chloride. This action contributes to the further development of the bones, as well becoming a growth factor, only when the recommended dosages are maintained. These constructive processes of mineralization and consolidation also allow bone regeneration in cases of rickets and osteomalacia.
- Stimulates appetite through metabolic regulation.
- Enhances the nutrients absorption acquired by diet or provided as a supplement.
- Stimulates erythropoiesis in organs such as spleen and bone marrow by stimulating the synthesis of erythropoietin in the kidneys.

## THERAPEUTIC INDICATIONS

Due to its anabolic action, it is indicated to get an increase in weight gain by increasing the efficiency of feed conversion in adults or in under development animals (both grazing and admission in the feedlot) and to prepare to culling cattle (including cows).

Specific indications include:

- Further development of bone structure and increased muscle mass and body weight.
- Increased protein synthesis, mineral retention, improves appetite and feed conversion.
- In anemic processes (stimulation of erythropoiesis: formation of red blood cells).
- As adjuvant in cases of osteomalacia, osteoporosis and leukopenia.
- As an adjuvant in consumptive or debilitating diseases that produce weight loss, convalescent states, senile weakness, rickets, fractures (to promote callus formation) and stress situations (post-surgical, weaning, dehorning, castration, environmental changes and prolonged summers or winters, etc.).
- In case of protein catabolism caused by the continuous use of corticosteroids (osteoporosis-asthenia-muscular atrophy).
- Any other situation that requires to promote protein synthesis.

## TARGET SPECIES

Cattle, horses, swine, camelids, sheep, goats, dogs, cats and fighting cocks. In the case of cattle, it is recommended for all kind of breeds:

calves after weaning, bulls, steers and culled cows.

## ROUTE OF ADMINISTRATION AND DOSAGE

Deep intramuscular route, according to the following doses:

Fattening cattle:

1 mL per 90 kg body weight. Although the treatment duration depends on the discretion of the veterinarian, the following models of dosage are recommended:

Fattening grass-fed beef:

Product	Day 0	Day 30	Day 60	Day 90	Day 120	Day 150
<b>Boldemax® A.P.</b>	▶*	▶	▶	▶*	▶	▶

Confined fattening (feedlot):

Product	Day 0	Day 30	Day 60
<b>Boldemax® A.P.</b>	▶*	▶	▶

\* Joint antiparasitic dosage is recommended (eg **Boldemec® L.A.**: Boldenone + ivermectin)

Other species:

- Cattle, horses and swine: 1 ml per 90 kg bw, every 30 days or at veterinarian's discretion.
- Sheep, goats and camelids: 0.5mL per 45 kg bw, every 30 days or at veterinarian's discretion
- Dogs and cats: 0.5 mL per 10 kg bw. Repeat after 2-4 weeks or at veterinarian's discretion.
- Fighting cocks: 0.05 mL per 2 kg bw. Repeat after 2-4 weeks or at veterinarian's discretion.

No more than 10mL should be injected at any one site, is recommended to apply it at two points.

## OBSERVATIONS

- Do not mix in the same syringe or container with any foreign substance to the product.
- Use in breeding animals and duration of treatment depends on the discretion of the veterinarian.
- For proper effect is important to maintain an adequate intake of protein, calories, vitamins, iron and copper.
- Agrovot Market S.A. is not responsible for the consequences of a different use (of the product) to the one indicated in this leaflet.

## USAGE LIMITATIONS

- Do not administer to animals in poor condition, in feverish conditions, or in situations of intense stress.
- It should not be used repeatedly nor overdosing females intended for breeding and / or used as womb in breeding herds, because it can produce masculinizing effects and increased libido, altering the estrous cycle and ovarian function.
- Because of its ability to retain sodium and water, anabolic should not be used in animals with chronic interstitial nephritis.
- If the masculinizing effects are too severe, decrease the dose or discontinue treatment.
- Do not for use in dairy cattle producing milk for human consumption..
- Do not use in pregnant animals (unless intended for slaughter after treatment).
- Do not use in the presence of androgen-dependent tumors, anal adenoma or prostate and breast carcinoma.
- Frequent applications in young animals, may generate premature ossification and growth cessation.
- Avoid using excessively since it can lead to unwanted virilizing effects and aggressiveness.

## ADVERSE REACTIONS

- It can manifest infrequently hypersensitivity reactions, if they occur, discontinue treatment.
- Local reaction (swelling) may occur at the injection site in animals for

up to a week after administration.

## SPECIAL PRECAUTIONS TO BE TAKEN BY THE PERSON ADMINISTERING THE VETERINARY MEDICINAL PRODUCT TO ANIMALS

- Do not handle this product if you know you are sensitized or if you have been advised not to work with such preparations.
- Handle this product with great care to avoid exposure, taking all recommended precautions.
- If you develop symptoms following exposure, such as a skin rash, you should seek medical advice and show the doctor this warning. Swelling of the face, lips or eyes or difficulty with breathing are more serious symptoms and require urgent medical attention.

## WITHDRAWAL PERIOD

Meat: 71 days. Do not use in cattle producing milk for human consumption. Do not use in horses intended for human consumption.

## STORAGE

Keep in a cool, dry place, protected from light. Store among 15° to 30° C. Keep out of reach of children and domestic animals.

## COMMERCIAL PRESENTATION

10 mL, 20 mL, 50 mL, 100 mL, 250 mL y 500 mL vials.

Boldemax® is a registered trademark of

**ALDAMEX** LIMITED



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