

DOTOSAL

(Butaphosphan 10% + Cyanocobalamin 50 mcg/mL Injection Veterinary Use)

Description

Butaphosphan 10% and Cyanocobalamin 50 mcg/mL Injection is a sterile veterinary injectable solution formulated to provide metabolic support in animals. Butaphosphan is an organic phosphorus compound that supports energy metabolism, liver function, and muscle activity. Cyanocobalamin (Vitamin B₁₂) is essential for haematopoiesis, nervous system health, and metabolism of carbohydrates, fats, and proteins. The combination enhances recovery in animals suffering from metabolic disorders, stress, or nutritional deficiencies.

Specification

- Appearance: Clear, pink to reddish-pink sterile injectable solution
- Butaphosphan concentration: 100 mg/mL (10%)
- Cyanocobalamin concentration: 50 mcg/mL (0.05 mg/mL)
- pH: 6.0 – 8.0
- Sterility: Must comply with pharmacopeial sterile injection standards
- Preservative content: n-Butyl alcohol approx. 30 mg/mL (may vary by formulation)
- Shelf life: Typically 2 years when stored properly

Composition

- Butaphosphan: 100 mg per mL
- Cyanocobalamin (Vitamin B₁₂): 50 mcg per mL

Excipients

- n-Butyl alcohol (preservative)
- Phenol or methyl paraben (depending on formulation)
- Sodium hydroxide and/or hydrochloric acid for pH adjustment
- Water for injections

Category

Metabolic stimulant, veterinary tonic, phosphorus and Vitamin B₁₂ supplement for animals.

Indications

- Metabolic support in animals with phosphorus and Vitamin B₁₂ deficiencies
- Treatment of stress-related conditions, debility, and convalescence
- Support in secondary anaemia and metabolic disorders
- Enhancing appetite, growth, and reproductive performance
- Prevention and treatment of tetany and paresis when combined with calcium or magnesium therapy
- Improvement of general vitality in livestock, companion animals, and poultry

Dosage

- Cattle, horses, buffaloes: 10–25 mL
- Calves, foals: 5–12 mL
- Sheep, goats: 2.5–8 mL
- Lambs, kids: 1.5–2.5 mL
- Pigs: 2.5–10 mL
- Dogs: 0.5–5 mL
- Cats: 0.5–2.5 mL
- Poultry: 0.5–3 mL per Litre of drinking water for 1–5 days

Note: Dose may be repeated daily or at intervals depending on the condition and veterinary advice.

Route of Administration

- Intramuscular (IM)
- Subcutaneous (SC)
- Intravenous (IV)

Product Form

- Sterile injectable solution
- Available in multi-dose glass vials of 30 mL, 100 mL

- 🐾 **Usage**

Administered to improve metabolic function, stimulate appetite, and promote recovery in stressed, debilitated, or recovering animals. Suitable for a wide range of domestic and farm animals including cattle, horses, sheep, goats, pigs, dogs, cats, and poultry.

- ✅ **Advantages**

- Rapid improvement of metabolic functions
- Broad species applicability
- Supports growth, reproduction, and vitality
- Minimal risk of residues, no withdrawal period required
- Easy to administer by multiple injection routes
- Safe and well tolerated

- ⚠️ **Adverse Effects**

- Generally safe with rare reports of injection site swelling or mild irritation
- Possible mild transient diarrhoea or allergic reactions in sensitive animals
- Overdose may cause metabolic imbalances such as hyperphosphatemia

- 📅 **Schedule**

Non-controlled veterinary pharmaceutical, available by prescription or OTC depending on jurisdiction.

- ⚠️ **Precautions**

- Use aseptic technique during injection
- Avoid dermal and ocular contact with the solution
- Avoid use in animals with known hypersensitivity to components
- Use caution in animals with renal or hepatic impairment
- Do not mix with other drugs unless compatibility is confirmed

- ⌚ **Withdrawal Period**

- No withdrawal period required for meat, milk, or eggs in most formulations

Storage

- Store below 30°C (86°F)
- Protect from light
- Do not freeze
- Keep container tightly closed

Handling

- Use aseptic techniques for vial puncture and injection
- Limit the number of punctures per vial as recommended
- Dispose of unused product and containers according to regulations

HS / HSN Code

- Typical HS Code: 3004909099 (subject to country-specific variations)

Special Instructions

- Do not mix with other medications unless compatibility is verified
- Administer large doses in divided injections at different sites
- Use under veterinary supervision
- Avoid use in wet or dusty environments during administration

Human and Veterinary Application

- For veterinary use only; not intended for human administration
- Strictly prohibited for human use due to formulation and dosing differences

? Frequently Asked Questions (FAQs)

Q1: What is Butaphosphan?

Butaphosphan is an organic phosphorus compound that supports energy metabolism and liver function in animals.

Q2: What does Cyanocobalamin do?

Cyanocobalamin (Vitamin B₁₂) is vital for blood formation, neurological health, and metabolic processes.

Q3: How is the injection administered?

By intramuscular, subcutaneous, or intravenous injection as per the prescribed dose.

Q4: Is there any withdrawal time before slaughter or milk consumption?

No withdrawal period is generally required for meat, milk, or eggs.

Q5: Can this be used in pregnant or lactating animals?

Yes, it is considered safe but use under veterinary guidance is advised.

Q6: What are possible side effects?

Injection site reactions, mild diarrhoea, or allergic reactions are rare but possible.

Q7: How should it be stored?

Store in a cool, dark place below 30°C and avoid freezing.

Q8: Can this medication be used for humans?

No, it is strictly for veterinary use only.

