

DOTVITA - B12

Veterinary Multivitamin Liquid Supplement

Description:

This veterinary feed supplement is a carefully formulated blend of essential fat- and water-soluble vitamins tailored for cattle and poultry. It provides a balanced combination of Vitamin A, D3, E, B12, C, and Biotin to support growth, immunity, reproduction, and overall health in livestock. Vitamins are included in doses optimized for metabolic functions, bone development, antioxidant activity, and haematopoiesis.

Specification:

- Appearance: Clear to slightly opalescent liquid
- pH: 5.5 – 7.0
- Assay: Vitamins quantified via validated chromatographic methods with $\pm 5\%$ tolerance
- Microbial Limits: Compliant with veterinary pharmaceutical standards
- Heavy Metals: Within permissible limits per regulatory guidelines

Category:

Cattle & Poultry

Pack Sizes:

500 ml, 1 litre, 5 litre

Composition:

- Vitamin A: 60,000 International Units (I.U)
- Vitamin D3 (Cholecalciferol): 15,000 I.U
- Vitamin E (Tocopherol): 50 milligrams (mg)
- Vitamin B12 (Cobalamin): 50 micrograms (mcg)
- Vitamin C (Ascorbic Acid): 50 mg
- Biotin: 10 mcg

Excipients:

Purified water, stabilizers, emulsifiers, preservatives (as per regulatory safety standards), and appropriate carriers ensuring vitamin stability and bioavailability.

Indication:

Used as a dietary supplement to prevent and treat vitamin deficiencies in cattle and poultry, supporting:

- Growth and development
- Reproductive health and fertility
- Immune system enhancement
- Recovery from stress or illness
- Prevention of nutritional disorders related to vitamin deficiencies (e.g., rickets, night blindness, poor feathering)

Dosage & Route of Administration:

- Oral administration via drinking water or direct drenching.
- Dosage:
 - Cattle: 10-20 ml per 100 litres of drinking water daily, or as directed by a veterinary professional.
 - Poultry: 5-10 ml per 100 litres of drinking water daily.
- Duration: Administer continuously during periods of stress, high production, or vitamin deficiency risks.

Precautions:

- Do not exceed recommended dose.
- Avoid use in animals with known hypersensitivity to any component.
- Consult a veterinarian before use during pregnancy or lactation.
- Keep out of reach of children.

Adverse Effects:

- Overdosage may cause hypervitaminosis symptoms such as anorexia, weakness, or gastrointestinal upset.
- Rare allergic reactions possible; discontinue use if adverse reactions occur and consult a vet.

Withdrawal Period:

- Meat: 7 days post last administration.
- Milk/Eggs: 3 days post last administration.

Storage & Handling:

- Store in a cool, dry place below 30°C, protected from direct sunlight.
- Keep container tightly closed when not in use.
- Shake well before use.

Schedule:

Not classified as a controlled substance under veterinary pharmaceutical regulations.

HS Code & HSN Code:

- HS Code: 3004.90 (Medicaments consisting of mixed or unmixed products for therapeutic or prophylactic uses, put up in measured doses or in forms or packings for retail sale)
- HSN Code: 3004 (Medicaments consisting of mixed or unmixed products for therapeutic or prophylactic uses, put up in measured doses or in forms or packings for retail sale)

Advantages:

- Comprehensive vitamin profile supports multiple physiological systems.
- Enhances immunity and disease resistance.
- Improves growth rate and feed efficiency.
- Easy-to-administer liquid form ensures better absorption and palatability.
- Suitable for both cattle and poultry.

Special Instructions:

- Use as a supplement, not a substitute for a balanced diet.
- Ensure adequate clean water supply when administered in drinking water.
- Monitor animals regularly for response and any side effects.

Human and Veterinary Application Details:

- Exclusively for veterinary use; not intended for human consumption.
- Handling by humans requires care to avoid accidental ingestion or contact with eyes and skin.
- In case of accidental human exposure, rinse affected area thoroughly and seek medical advice.

? Frequently Asked Questions (FAQs):

Q1: What is the difference between Vitamin A and Vitamin D3 in this supplement?

A: Vitamin A (Retinol) supports vision, reproduction, and immune function, while Vitamin D3 (Cholecalciferol) aids calcium absorption and bone health.

Q2: Can this supplement be given to young calves and chicks?

A: Yes, the supplement is suitable for all life stages but dosage should be adjusted according to age and weight under veterinary guidance.

Q3: What happens if I overdose this supplement?

A: Excess vitamins can cause toxicity (hypervitaminosis), leading to symptoms like loss of appetite and weakness. Always follow dosage instructions carefully.

Q4: Is this supplement safe during pregnancy?

A: Generally safe, but always consult your veterinarian before use during pregnancy or lactation to avoid any complications.

Q5: Can this product be mixed with other feed additives?

A: Usually compatible, but consult with a veterinarian or feed specialist to ensure no interactions.

