

DOT-TONE

Poultry Liver Tonic – Herbal Hepatoprotective & Metabolic Support Liquid

Description

This **Liver Tonic** is a **herbal–nutritional liquid supplement** formulated to protect, detoxify, and regenerate liver tissue in poultry. The product combines hepatoprotective herbal extracts (such as *Eclipta alba*, *Scoparia dulcis*, and *Thymus vulgaris*) with liver-function nutrients like **Choline Chloride**, **Methionine**, **Carnitine**, and **Silymarin**.

It helps maintain optimal liver metabolism, improves feed conversion ratio (FCR), supports bile secretion, and enhances resistance against hepatotoxins. Recommended during periods of stress, disease, antibiotic therapy, or feed toxin exposure.

Specification

- **Product Name:** Poultry Liver Tonic (Herbal & Nutritional Oral Liquid)
- **Dosage Form:** Liquid
- **Appearance:** Clear to pale brown viscous liquid
- **Odor:** Mild herbal
- **Solubility:** Completely water-miscible
- **Target Species:** Poultry (broilers, layers, breeders)
- **Pack Sizes Available:** 1 litre bottle, 5 litre can

Composition (per 1000 ml)

- **Herbal Extracts (*Eclipta alba*, *Scoparia dulcis*, *Thymus vulgaris*)** – 10,000 mg
- **Sorbitol** – 400,000 mg
- **L-Carnitine** – 100,000 mg
- **Betaine** – 5,000 mg
- **Silymarin (standardized 2%)** – q.s.
- **Inositol** – 10,000 mg
- **Vitamin PP (Niacin/Nicotinamide)** – 2,000 mg
- **L-Aspartic Acid** – 10,000 mg
- **L-Glutamic Acid** – 5,000 mg

- **L-Glycine** – 5,000 mg
- **DL-Methionine** – 25,000 mg
- **Choline Chloride** – 60,000 mg
- **Magnesium Sulphate** – 5,000 mg
- **Distilled Water** – q.s. to 1000 ml

Excipients

- Preservatives (permitted veterinary grade)
- Solubilizers
- Flavouring agents (optional)
- Base liquid medium: distilled water

Category

- **Veterinary Feed Supplement**
- **Sub-category:** Hepatoprotective / Liver Tonic
- **Species:** Poultry

Indications

- Supportive care during **fatty liver, toxicosis, antibiotic therapy**
- Liver regeneration and **bile flow enhancement**
- Improves liver enzyme function and **feed metabolism**
- Used during **vaccination, deworming, and medication stress**
- Recommended in **high-performance poultry production** (broilers, layers)

Dosage

- **Broilers / Layers / Breeders:**
5–10 ml per 100 birds daily in drinking water
- In severe cases:
1 ml per litre of water for 3–5 days
- Or as advised by the poultry veterinarian or nutritionist

Route of Administration

- **Oral – via drinking water**
- Compatible with standard water systems and manual dosing

Product Form

- **Liquid** – ready-to-mix in water
- Packaged in:
 - **1 litre bottle** (medium farm scale)
 - **5 litre can** (large-scale poultry use)

Usage

- Shake well before use
- Mix fresh daily in clean, potable water
- Use continuously for **3–7 days** or longer during stress periods
- Can be used during or after medication to support hepatic function

Advantages

- Combines **herbal** and **nutritional** liver protectants
- Helps prevent **liver degeneration** and metabolic stress
- Improves **feed intake, digestibility, and growth performance**
- **Safe during all production stages**, including laying
- Easy water-soluble dosing – no residue issues

Adverse Effects

- None reported at recommended dose
- Overdose may cause **diarrhoea** or **feed refusal** in sensitive birds
- Always follow dosage instructions

Schedule

- **Not scheduled – OTC (Over-the-Counter)**
- Classified as a **non-drug veterinary supplement**

Precautions

- Use only freshly mixed solution
- Do not mix with strong antibiotics or other supplements unless approved
- Use in hygienic water systems to avoid contamination
- Ensure adequate ventilation and water intake during usage

Withdrawal Period

- **Nil** – No withdrawal period required
- Safe for use in **layers** and **slaughter birds**

Storage Conditions

- Store in a **cool, dry place** below 30°C
- Keep container tightly closed when not in use
- Do not freeze
- Protect from direct sunlight

Handling

- Shake well before each use
- Use **clean measuring devices**
- Do not dilute in advance or store diluted solutions
- Wear gloves if handling large volumes

HS / HSN Code

HS Code (International): 2309

HSN Code (India): 2309.90.90

- ✓ For animal nutrition preparations (non-medicinal feed additives)

Special Instructions

- Use during liver-impacting diseases, toxin outbreaks, or antibiotic regimens
- Ideal for birds on high-density feed or with fat accumulation
- Helps recover post-vaccine or post-antibiotic stress
- Can be used alongside **probiotics**, **multivitamins**, and **digestive enzymes**

Human vs Veterinary Application

- **Human Use:** ❌ Not intended for humans
- **Veterinary Use:** ✅ Formulated and approved for poultry use only

Frequently Asked Questions (FAQs)

Q1: What makes this liver tonic effective for poultry?

A: It combines **herbal liver protectants** and **functional nutrients** like choline, methionine, and sorbitol that enhance liver metabolism, detoxification, and recovery.

Q2: Can this be used continuously?

A: Yes, it is safe for regular use but best applied in **cycles** (5–7 days) during stress, treatment, or production phases.

Q3: Does it interfere with antibiotics or vaccines?

A: No, it supports liver recovery during such treatments and does not interfere, though simultaneous mixing should be avoided unless approved.

Q4: Is it suitable for layers?

A: Yes, it is safe and beneficial for **layers**, helping maintain liver health during high egg production cycles.

Q5: What is the role of sorbitol in this formulation?

A: Sorbitol acts as an **osmotic liver stimulant**, enhances bile flow, and aids in gentle detoxification without irritating the GI tract.