

Urotropin

International Nonproprietary Name (INN): Methenamine (Methenamine)

Manufacturer: Biotecs LLC, Georgia

Active Substance: Hexamethylenetetramine

Dosage Form: Powder for oral administration, for veterinary use.

Pharmacotherapeutic Group: Systemic antimicrobial, antibacterial agent.

Target Species: Cattle, small ruminants, horses, swine, dogs, poultry.

Composition and Packaging

1 g of powder contains:

- Hexamethylenetetramine – 1000 mg

The product is packed in 250 g silver polyethylene bags.

Storage Conditions

Store in a dry, dark place protected from sunlight at a temperature of 5°C to 25°C.

Shelf Life: 2 years.

Pharmacological Properties

Urotropin is a synthetically produced medicinal product with a pronounced diuretic effect. It increases cell membrane permeability, thereby accelerating the elimination of toxins from the body.

Its mechanism of action is based on the decomposition of hexamethylenetetramine, releasing active formaldehyde and ammonia. This process occurs only in an acidic environment in the kidneys and urinary tract, where it exerts antibacterial activity.

The product acts against pathogenic bacteria, urinary tract infections, and inflammatory foci where decomposed tissues contain high levels of acidic products.

Hexamethylenetetramine and its metabolites are excreted from the body in urine.

Urotropin belongs to low-toxicity substances (Hazard Class IV).

Indications for Use

Used in cattle, small ruminants, horses, swine, dogs, and poultry as an antiseptic for:

- Urinary tract infections (cystitis, pyelitis)
 - Cholecystitis
 - Meningitis
 - Encephalitis
 - Allergic skin diseases (urticaria, polymorphic erythema)
 - Eye diseases (iridocyclitis, keratitis)
 - Poisoning and toxic infections
 - Uric acid diathesis (gout)
 - Inflammation of joints and muscles
-

Dosage and Administration

Administer orally for 3–5 days:

- Cattle, horses – 5–20 g
 - Small ruminants, swine – 2–5 g
 - Dogs – 0.5–2 g
 - Poultry – 0.01–0.05 g
-

Withdrawal Period

Animals may be slaughtered for meat 1 day after the last administration of the product.

If slaughtered earlier, meat may be used for feeding fur-bearing animals after heat treatment or for meat-and-bone meal production.

Milk may be used for human consumption 1 day after the last administration.

Milk obtained during treatment may be used for feeding animals after heat treatment.

Personal Protective Measures

When handling Urotropin, observe general hygiene and safety rules established for working with medicinal products.

After completing work, wash hands with warm water and soap.

In case of accidental contact with skin or eyes, rinse thoroughly with water.

If allergic reactions occur or if the product is accidentally ingested, seek medical attention (bring the product label and instructions).

Keep out of reach of children.