

# VETERINARY PRODUCTS FOR PETS



 **BioTestLab**  
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[www.biotestlab.ua](http://www.biotestlab.ua)



## ABOUT US

Biotechlab is a Ukrainian company that has been specializing in the development, production, and sale of veterinary drugs for more than 30 years. It is among the TOP-20 world leaders in the range of vaccines. BIOTEHLAB manufactures products at its own facilities in Ukraine, equipped with modern equipment. The company is certified by the world leader in accreditation - DQS (Germany) according to ISO 9001:2015, production processes meet the requirements of GMP (Good Manufacturing Practice).

## OUR GOAL

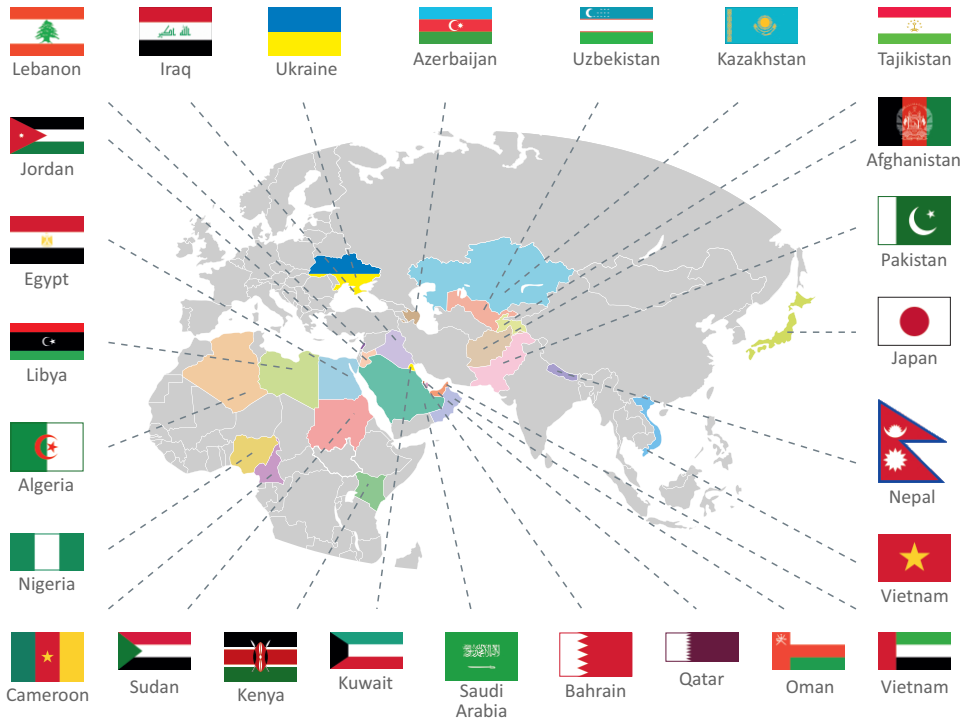
To create innovative products for animal and poultry health, improving the impact on human health and the environment.

## OUR VISION

We believe in the Ukrainian result! We strive to become a global leader by making Ukraine one of the key suppliers of veterinary drugs in the world. We develop high pharmaceutical technologies and biotechnologies.

## SALES GEOGRAPHY

In 2015, BIOTEHLAB delivered the first batch of POLIMUN poultry vaccines abroad. Today, the company's products are represented in 20+ countries.





# OTOFLOX

## COMPLEX APPROACH TO THE TREATMENT OF OTITIS OF VARIOUS ETIOLOGY



Antiparasitic  
(Ivermectin)

Antibacterial  
(Florfenicol)



Fungicidal  
(Clotrimazole)

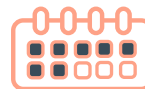
Anti-allergic  
(Betamethasone)



Clean an ear



Be sure to drip  
into both ears



1-2 times daily  
within 5-7 days



Just one press — no need to count drops



Easy to use — no stress during treatment



# CIPRONORM

HEALTHY EYES AND EARS - QUICK AND EASY



Treatment of otitis and conjunctivitis of bacterial and allergic origin

in 1 ml:  
Ciprofloxacin — 5mg;  
Dexamethasone — 1mg



Drip  
1-2 drops



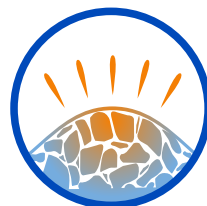
2-3 times daily  
within 5-7 days



Painless  
application



Economical  
use



Elimination of the  
acute phase  
of inflammation  
within 24 hours

NEW

# ANTISTRESS

## CALM PET - CALM OWNER

### Phenibut 10% solution

Removal of a stress factor at:

- 🔴 increased sexual activity
- 🔴 transportation
- 🔴 psychogenic behavioral disorders
- 🔴 hygienic manipulations and grooming

Normalization of metabolic processes in the central nervous system as a result of nootropic activity

Pronounced stress-correcting effect

#### Cats:

drip into the mouth 1 drop of the drug (4 mg phenibut) per 1 kg b.w.

#### Dogs:

drip into the mouth 2 drops of the drug (8 mg phenibut) per 1 kg b.w.

No more than 2 times a day



NEW

# ANTILACT

LACTATION SUPPRESSION WITHOUT HORMONES

In 1 ml of the drug: Cabergoline – 50 µg

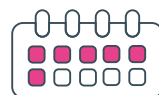
- Non-hormonal drug
- Eliminates signs of pseudopregnancy
- Stops lactation in a short time
- Prevents the development of lactational mastitis
- Normalizes the psycho-emotional state



Orally at the root of the tongue



3 drops  
per 1 kg b.w.



once daily  
for 4-6 days

CONVENIENT  
DROP  
DISPENSER



# PHYTOCAT

## Urolithiasis - Say NO to Stones!

Solution for oral use

horsetail grass, 7.5 mg



Anti-inflammatory and hemostatic action

bearberry, leaves, 5.0 mg



Antibacterial effect

erva lanata (polpala), 2.5 0 mg



Anti-inflammatory action, urea reduction

knotweed, 12.5 mg



Diuretic action, strengthens the walls of the renal capillaries

**Effective and convenient in the treatment of cystitis, urethritis, nephritis and urolithiasis:**

- concentration of active substances
- water-based solution
- packaging for a full course of treatment
- syringe dispenser included

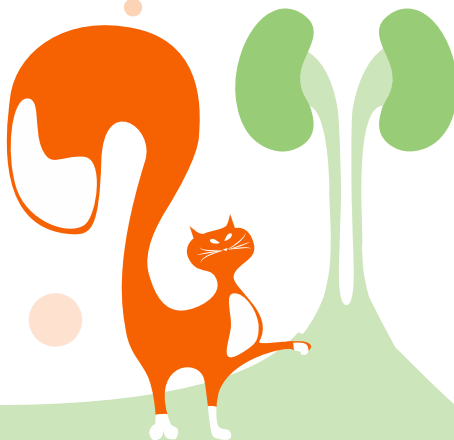
### TREATMENT

2-4 ml per animal, 2 times/day for up to 3 weeks

### PREVENTION

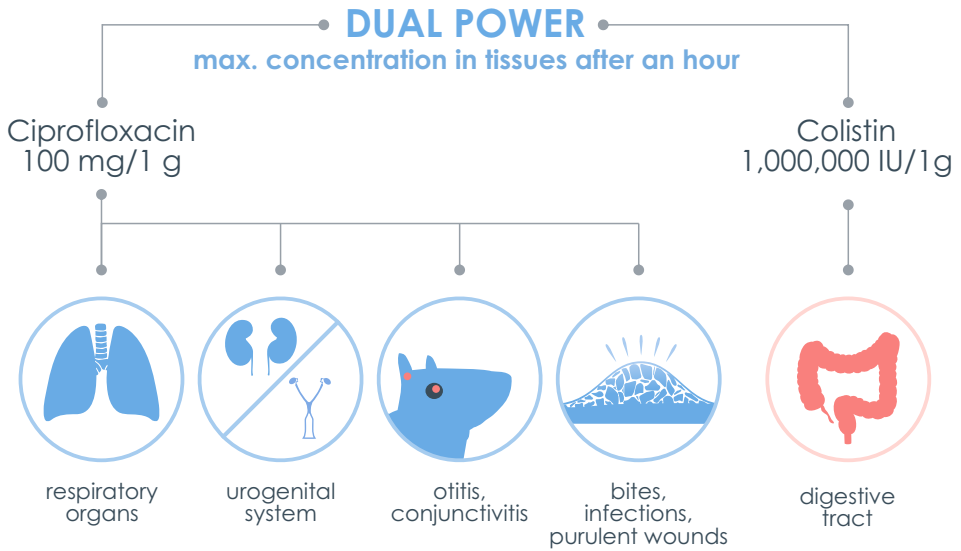
2-4 ml per animal, 1 time/day for 7-10 days

If necessary, repeat the course every 2-3 months



# CIPROCOLIN

UNIQUE antibiotic in suspension form in veterinary medicine



## Dosage: 1 ml per 1 kg b.w.

100 ml of the prepared suspension is enough for a 5-day course of treatment for a dog weighing 20 kg

- Convenience and accuracy of use - thanks to the dosing syringe
- Pleasant taste and aroma of meat - it is well consumed by animals
- Application only once a day - simplifies the treatment process for the owner



# FLOXY-SPRAY MAX

Wound-healing and anti-inflammatory drug for non-productive animals



DOES NOT PAINT,  
BUT TREATS



Long-term effect  
on affected areas



Convenience  
and economy



## FLORFENICOL

has a bacteriostatic effect on Gram-positive and Gram-negative bacteria



## PREDNISOLONE

has anti-inflammatory, anti-allergic and anti-exudative effects



Treatment of dermatitis of any etiology (except fungal), paronitium, pyoderma, eczema, as well as traumatic and surgical wounds (including after sterilization), scratching, bites, bruises, ulcers and open abscesses.

# ETIOLOGY, FEATURES OF PATHOLOGIES AND THEIR TREATMENT IN PETS

Among diseases of pets, a significant place is occupied by diseases of the skin.

**Skin diseases therapy should be focused on:**

- elimination of the identified causative agent (etiologic therapy);
- inhibition of growth and development of secondary microflora - if necessary;
- pathogenetic therapy: increasing body resistance;
- symptomatic therapy: normalization of the functions of the cardiovascular system, respiratory organs, and other systems.

The effective agents for pathogenetic therapy in skin pathology are modern antibacterial drugs.

Team of BioTestLab Ltd. has developed a drug FLOXY-SPRAY MAX. The drug includes an antibiotic of Thiamphenicol group - Florfenicol - 2.5 g/100 ml and adrenal cortex hormone - Prednisolone acetate - 0.1g/100 ml.

Pharmacological properties of the drug are due to carefully selected composition of active substances and excipients.

## 4 EFFECTS OF FLOXY-SPRAY MAX



### ANTIMICROBIAL

The mechanism of antimicrobial effect is due to the action on the protein synthesis of the bacterial cells, and inhibition of the enzymatic activity of peptidyl transferase.



### ANTI-INFLAMMATORY

This is due to the metabolism inhibition of arachidonic acid and the release of inflammatory mediators. Moreover, it inhibits the release of inflammatory mediators by eosinophils and mast cells. At the same time, hydroxyl radicals become inactivated and metabolic processes are improved in the center of inflammation.



### ANTI-ALLERGIC

Due to the decrease in the synthesis and secretion of the allergy mediators, inhibition of histamine synthesis and other biologically active substances from sensitized mast cells and basophils, as well as due to decrease in the number of circulating basophils, T- and B-lymphocytes, and mast cells, the sensitivity of the effector cells to the allergy mediators decreases



### EASY PENETRATING

Excipients included in the formulation of the drug accelerate the penetration of florfenicol and prednisolone through the skin, without changing their properties.

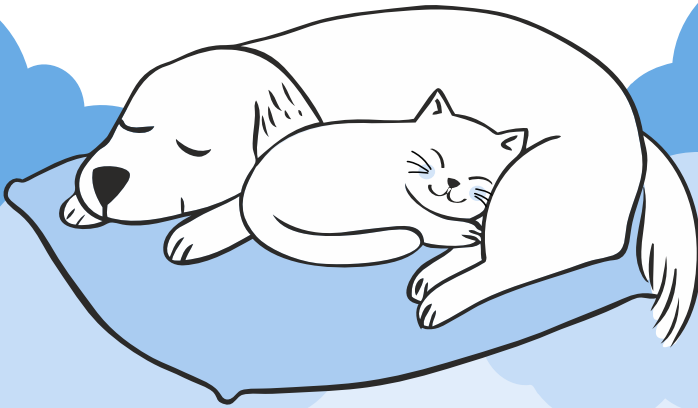
**FLOXY-SPRAY MAX** prevents re-contamination by pathogenic microflora. This is due to the formation of protective microfilm in the area of affected tissue sites. Due to the high permeability of florfenicol and prednisolone through the skin, their concentration can be reduced. This will not only ensure a significant saving in the drug but will also reduce the risk of undesirable side effects in animal treatment.

# RELAX

MILD ANESTHESIA - DOCTOR'S CALM

FOR QUICK AND CONTROLLED ANESTHESIA

Solution of propofol 1%



COLLOIDAL SOLUTION: EASY ADMINISTRATION, QUICK EFFECT

MAY BE USED WITHIN 28 DAYS AFTER THE FIRST VIAL OPENING

WITHOUT EXCITATION PHASE

Dosage without premedication with alpha-agonists:  
cats 0.6-0.8 ml/kg b.w.  
dogs 0.4-0.65 ml/kg b.w.





RELAX is a sterile colloidal non-pyrogenic 1% solution of propofol for intravenous administration. It is administered to dogs and cats for general short-term anesthesia, for introductory anesthesia and maintenance of basic anesthesia.

The preservatives added to the compound of Relax ensure the preservation of the sterile solution up to 28 days after opening the bottle.

In practice, to achieve adequate anesthesia, the dose of Relax should be adjusted, in view of the response of the animal to the administration of the drug.

Intravenous administration of the drug is carried out both by intermittent bolus injection and by drip infusion. Also for more accurate dosing, just before injection, the drug can be diluted in a 0.9% solution of sodium chloride in a ratio of 1:4. When applying premedication, the dose of RELAX is reduced.

Besides surgery intervention RELAX is administered to animals in the following cases:

- in dentistry (tooth extraction, dental calculus removal);
- during the ultrasound, X-ray diagnostics, MRI;
- during the hygiene procedures (trimming claws, cleaning ears).

Relax has undergone clinical studies in the State Research and Control Institute of veterinary products and feed additives, Lviv (Ukraine), and is recommended in the practice of veterinarians as an anesthetic of short-term action.

It is used in veterinary clinics:

- WSW of doctor Velychko
  - AldenVET
  - Doctor BO of doctor Boboshko
  - Clinic of Beletsky
  - Center of Modern Veterinary Medicine
- and in other state district and city veterinary clinics.

### RECOMMENDED PROTOCOL OF RELAX ADMINISTRATION WITH PREMEDICATION

<b>Premedication</b>			
<b>Sedazine</b>		<b>Meditin</b>	
Cats 0.1-0.15 mg per 1 kg b.w.	Dogs 0.1-0.15 mg per 1 kg b.w.	Cats 0.05-0.15 mg per 5 kg b.w.	Dogs 0.1-0.2 mg per 10 kg b.w.
<b>Basic anesthesia</b>			
<b>Relax</b>			
Cats 0.12 ml per 1 kg b.w.		Dogs 0.1 ml per 1 kg b.w.	

Analgesia after surgery can be done by NSAIDs.

To prolong anesthesia during surgery, at the discretion of the doctor, Relax may be used either by bolus or drip infusion through the intravenous catheter.

# AMINOVITOL

## BALANCED VITAMIN FORMULA FOR YOUR PETS



**Composition:** 1.0 ml of feed additive contains active substances:

vitamin A - 2500 IU  
vitamin B<sub>1</sub> - 1.2 mg  
vitamin B<sub>2</sub> - 4.5 mg  
vitamin B<sub>6</sub> - 2.5 mg  
vitamin B<sub>12</sub> - 0.01 mg  
vitamin C - 30.0 mg  
vitamin D<sub>3</sub> - 2250 IU  
vitamin E - 10 IU  
vitamin K<sub>3</sub> - 4.5 mg  
folic acid - 0.25 mg  
pantothenic acid - 9.0 mg  
biotin - 0.05 mg  
nicotinamide - 22.0 mg  
choline chloride - 50.0 mg  
methionine - 10.0 mg  
arginine - 10.0 mg  
leucine - 12.0 mg  
threonine - 2.0 mg  
tryptophan - 6.0 mg  
lysine - 50.0 mg  
valine - 22.0 mg  
isoleucine - 8.0 mg  
phenylalanine - 10.0 mg  
histidine - 6.0 mg

- Compensates for the lack of vitamins in the body of the animal
- Supports the animal's body in stressful situations
- Promotes rapid recovery after treatment



**up to 10 kg:** 10 drops (0.5 ml) per animal  
**from 10 kg:** 20 drops (1.0 ml) per animal



10 drops (0.5 ml) per animal



10 drops (0.5 ml) per 0.5 L of water



Once daily for 7-10 days

# HEPACARNITOL

## COMPLEX HEPATOPROTECTOR WITH EASY USE



**Composition** 1.0 ml of feed additive contains active substances:

Carnitine hydrochloride – 25.0 mg;  
DL-methionine – 10.0 mg;  
Choline chloride – 18.75 mg;  
Magnesium sulfate – 10.0 mg;  
Sorbitol – 200.0 mg;  
Cynarin (artichoke extract) – 5.0 mg



- Protects hepatocytes from the damaging effects of toxins and accelerates their regeneration
- Improves the metabolic processes in the liver
- Prevents fatty liver disease
- Boosts immunity



**up to 10 kg:** 10 drops (0.5 ml) per animal  
**over 10 kg:** 20 drops (1.0 ml) per animal



10 drops (0,5 ml) per animal

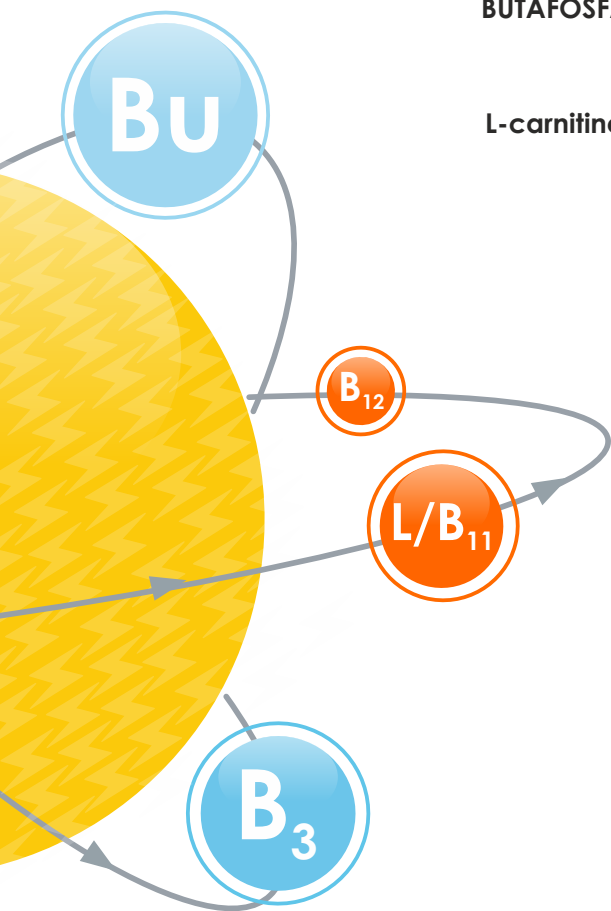
10 drops (0,5 ml) per 0.5 L of water



Once daily for 7-10 days

# L-CYN

⚡ ADD ENERGY AND CHEERFULNESS ⚡



**BUTAFOSFAN** | Resistance to stress by lowering cortisol levels

**L-carnitine/B<sub>11</sub>** | Improves transport of fatty acids to mitochondria, stimulates energy conversion

**B<sub>12</sub>** | Normalization of hematopoiesis

**B<sub>3</sub>** | Energy for cells and tissues

**Dosage:** dogs, cats, rabbits — intramuscularly, subcutaneously or intravenously in doses 0.5-2.5 ml per animal



# STIMULUS

## ACTIVATE YOUR PET'S LIFE FORCE

in 1 ml  
sodium nucleinate, vitamins,  
and vitamin-like substances;  
amino acids, mineral substances;  
others biologically active components

= 200

BIOLOGICALLY  
ACTIVE  
SUBSTANCES



For all animal  
species



Orally with  
drinking water



Subcutaneously,  
intravenously



Antioxidant  
and antihypoxic  
properties



Protects  
the body from stress



Reduces  
the recovery period

- ▲ stimulation of all body's physiological processes;
- ▲ as a supportive agent in the postoperative period;
- ▲ recovery of metabolic pathways after stress, infections, invasions, poisoning;
- ▲ in young animals: to enhance growth and improve development;
- ▲ in emaciated and weakened animals: for quick recovery

### Dosage:



subcutaneously and intravenously 0.5-1.0 ml/kg b.w., orally 1.0 ml/kg b.w.,  
max. no more than 10 ml per animal

# CEFTIFUR-50

COMPLEX CASES REQUIRE MODERN SOLUTIONS



antibiotic of the 3rd generation cephalosporins

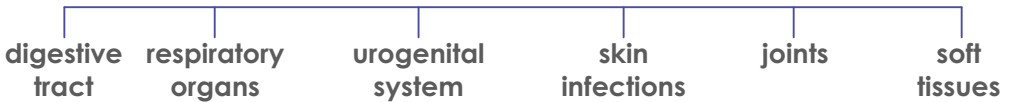
BLOCKS THE RESISTANCE OF BACTERIA



# SPECTRAN



UNIQUE COMBINATION FOR EFFICIENT AND SAFE TREATMENT



## Compound:

1 ml of the drug contains active substances:

**Amoxicillin trihydrate – 150.0 mg**

**Betamethasone dipropionate – 0.5 mg**

excipients

antibiotic

is active against Gram-positive and Gram-negative bacteria

**antibacterial effect**

synthetic hormone of the adrenal cortex (corticosteroid)

**anti-inflammatory effect**

**anti-allergic effect**

## Routes of administration and dosage:

Intramuscularly or subcutaneously once, at a dose

**Dogs and cats** - 1 ml of the drug per 10 kg of body weight of the animal. If necessary, the drug is re-administered after 48 hours.

**INFLAMMATION**



Ready-to-use suspension for injection



Subcutaneously or intramuscularly

# RECOMMENDED SCHEMES

## SURGERY

### STIMULUS



Stimulation of the immune system before surgery

### RELAX



Ultrashort anesthesia

### FLOXY-SPRAY MAX



Postoperative treatment

### CEFTIFUR-50



### SPECTRAN



### CIPROCOLIN



### HEPACARNITOL



### L-CYN



Antibiotic therapy and inflammation relief

Body recovery

## OTITIS AND CONJUNCTIVITIS

### OTO LOTION



Ear cleaning

### OTOFLOX



Topical treatment for inflammation

### CIPRONORM



### SPECTRAN



Antibiotic therapy

### CIPROCOLIN



## LIVER DISEASES

### HEPACARNITOL



Oral hepatoprotector



# ANIMAL TREATMENT

## GENERAL DISEASES OF THE BODY

**STIMULUS**



**CEFTIFUR-50**



OR

**SPECTRAN**



OR

**CIPROCOLIN**



Stimulation  
of the immune system

Antibiotic therapy and inflammation relief

**HEPACARNITOL**



**AMINOVITOL**



OR

**L-CYN**



Body recovery

## NERVOUS SYSTEM

## UROLOGY

**ANTISTRESS**



**RELAX**



**PHYTOCAT**



**CEFTIFUR-50**



**CIPROCOLIN**



Stress relief

Ultrashort anesthesia

Antibiotic therapy and inflammation relief

## HORMONAL DISORDERS

**ANTILACT**



Pseudopregnancy