



POLIMUN PREMIUM PROTECTION

LIVE VACCINES:

Polimun AE Encephalomyelitis
Polimun POX Fowl Pox
Polimun AE+POX Encephalomyelitis and Fowl Pox
Polimun IBD light Gumboro Disease, target titer 500
Polimun IBD Gumboro Disease, target titer 800
Polimun IBD+ Gumboro disease, target titer 1000
Polimun IB multi, classic and variant strains Infectious Bronchitis
Polimun IB HI20 Infectious Bronchitis
Polimun IB VAR 2 Infectious Bronchitis **strain VAR2/V2**
Polimun La-Sota Newcastle Disease
Polimun La-Sota + HI20 Newcastle Disease, Infectious Bronchitis
Polimun ND Clon 124 Newcastle Disease
Polimun ND Clon 124 + IB HI20 Newcastle Disease, Infectious Bronchitis
Polimun ND Hitchner BI Newcastle Disease
Polimun ND Hitchner BI + IB HI20 Newcastle Disease, Infectious Bronchitis
Polimun REO I133 Infectious Arthritis (Tenosynovitis)
INDIGO MAX Indicator for application of live vaccines with drinking water

INACTIVATED VACCINES:

Polimun ND EDS IB MAX 3 strains Infectious Bronchitis, Newcastle Disease, Egg Drop Syndrome
Polimun ND IB EDS Newcastle Disease, Infectious Bronchitis, Egg Drop Syndrome
Polimun ND inac Newcastle Disease
Polimun ND + IB inac Newcastle Disease, Infectious Bronchitis
Polimun REO I133 inac Infectious Arthritis (Tenosynovitis)
Polimun SALMO 3 strains Salmonellosis



Producer:
 BioTestLab®

POLIMUN ND IB EDS

Triple protection for the entire productive period

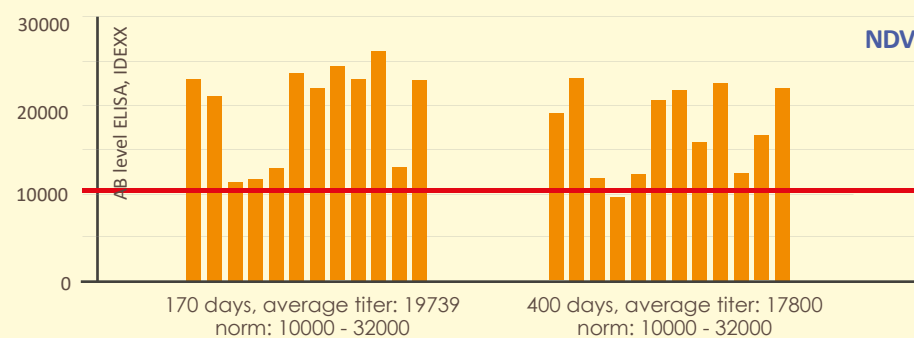
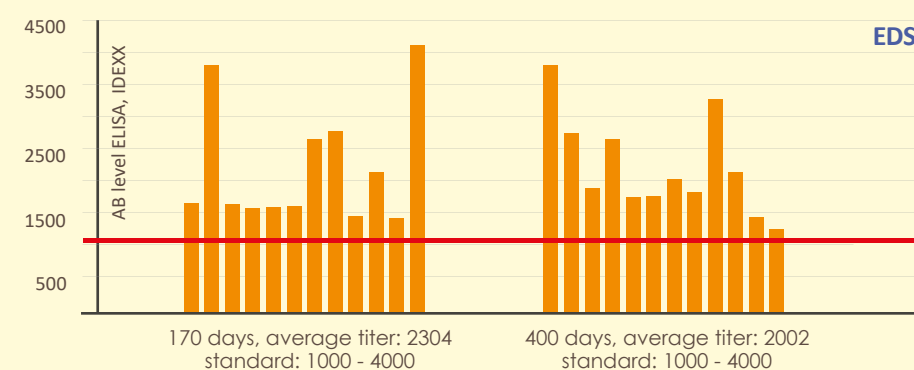
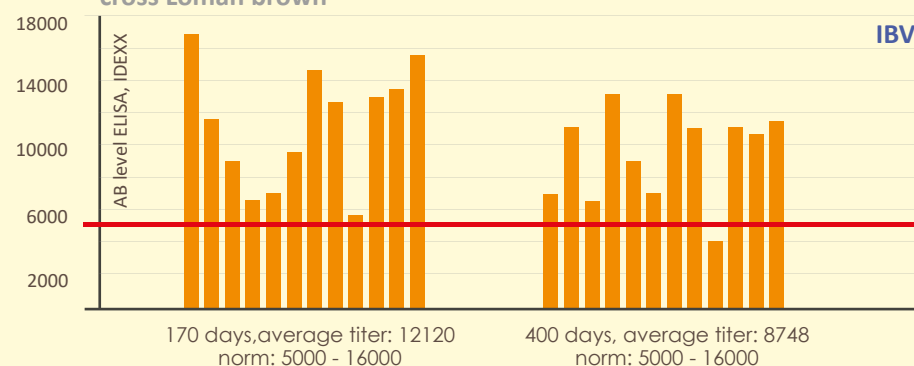
BioTestLab uses inactivated viruses obtained on chicken SPF-embryos:

- IBV, Chapaevsky strain $\geq 6.7 \lg \text{EID}_{50} / \text{ml}$ - highly immunogenic, antigenically related to the serotype of Massachusetts.
- Newcastle disease virus, Clone 124 strain $\geq 8.0 \lg \text{EID}_{50} / \text{ml}$ - strain clone La Sota, produces specific antibodies against field viruses of Newcastle disease.
- Virus of the egg-drop syndrome, strain EDS-76 $\geq 3 \log_2 \text{GAU/ml}$ - stimulates stable homogeneous titles during productive period and provides predicted result of vaccination.

To strengthen immune response in POLIMUN ND IB EDS vaccine highly active oil adjuvants are used (such as ICFA, ISA-70). An emulsion of the "water-in-oil" type liberates the antigen for a long period which gives prolonged immune stimulation.

Vaccine has long track record of poultry protection, which is proved experimentally and in the field.

Evaluation of post-vaccination immunity to IBV, NDV, EDS virus on 170 and 400 day of life after vaccination by POLIMUN ND IB EDS, cross Loman brown

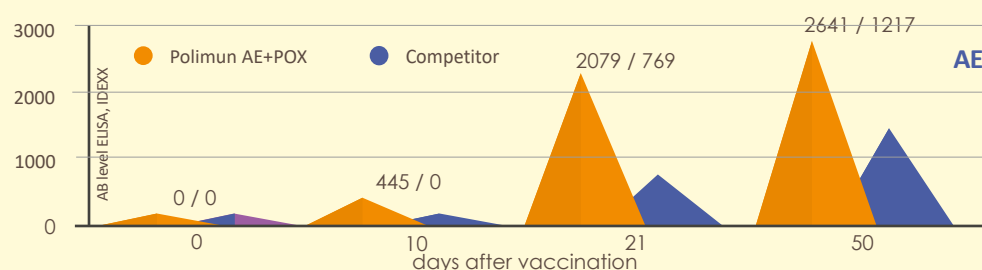


POLIMUN AE+POX

Fast formation of immunity + vaccination indicator

The vaccine contains standard strains of fowl pox and infectious encephalomyelitis of birds. In laboratory and field conditions POLIMUN AE+POX outperforms analogues by rate of antibody formation and their level. For convenience of vaccination the kit includes a colorant-solvent and a two-needle injector.

Formation of protective titres to infectious encephalomyelitis after vaccination with POLIMUN AE+POX in comparison with competitive product (EU) in the field.





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ANTIBIOTICS

Oral

ENROCOLIN Solution of enrofloxacin and colistin sulphate

ENROXAN-100 Solution of enrofloxacin

FLOCINE-100 Solution of florfenicol

TRICOLIN Solution of enrofloxacin, trimethoprim and colistin sulphate

Powders

AMOXAN-500 Powder of amoxicillin trihydrate

CIPROCOLIN Powder of ciprofloxacin and colistin sulfate

COLIDOXIN Powder of doxycycline hyclate and colistin sulfate

COLISTO 6M Powder of colistin sulphate

DOXAN-50 Powder of doxycycline hyclate

PHARMADOX P Solution of doxycycline hyclate and tylosin tartrate

TIAM 45 Powder of tiamulin hydrogen fumarate

ANTI-INFLAMMATORY

TERMONORM Powder of acetylsalicylic acid

ANTICOCCIDIALS

TOLTRASAN-50 Solution of toltrazuril

DISINFECTANTS AND HYGIENE

VIROSAN Disinfectant with broad spectrum of activity

VIROSAN F/F2 Disinfectant with broad spectrum of activity

VIROSAN MAX Disinfectant with broad spectrum of activity

FEED ADDITIVES

AMINOVITOL Vitamins and amino acids, oral solution

HEPACARNITOL Hepatoprotective complex, oral solution



Producer:

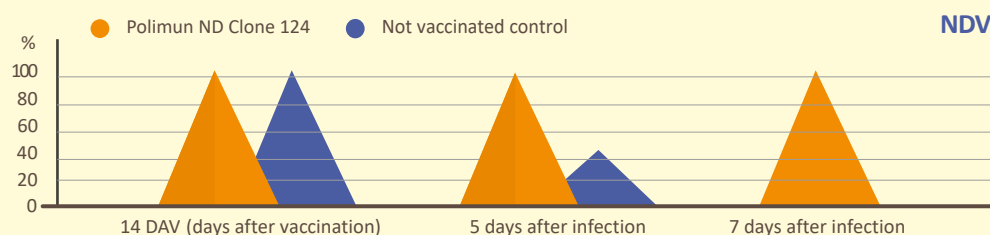
 BioTestLab®

POLIMUN ND Clone 124

Reliable and soft control of Newcastle Disease

The strain Clone 124 used in the vaccine is derived from the LaSota strain isolated in the territory of Ukraine. Due to the cloning process, it retained immunogen properties of the parent strain and, at the same time, does not have the reactogenicity of the LaSota strain. Therefore, Clone 124 can be used both in mild and unfavorable epizootic situation from an early age in flocks infected with mycoplasma, using various methods of vaccination: drinking, spray, etc. The effectiveness of the vaccine was determined 14 days after vaccination in acute field trial - by assessment of poultry state after challenge with control pathogenic strain "T" of Newcastle disease virus, provided by the State Control and Research Institute¹.

Mortality of not vaccinated vs bird vaccinated with POLIMUN ND CLONE 124, after challenge



¹State Scientific and Research Control Institute of Biotechnology of Strains of Microorganisms, Kiev, Ukraine.

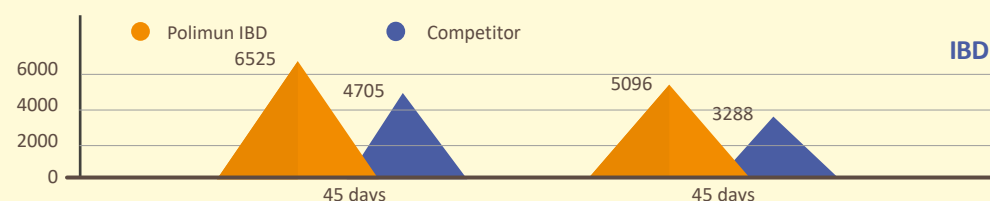
POLIMUN IBD target titer 800

Effective protection against Gumboro disease in any epizootic situation

Our series of vaccines against Gumboro, with target titers of 500, 800 and 1000 (in IDEXX) allows to apply the optimal vaccine in any epizootic situation.

Homology of conservative aminoacid clusters of structural protein in vaccinal strain with very virulent IBD field isolates is close to 100%, guaranteeing highly protective properties against IBD.

Immune response after vaccination with POLIMUN IBD in comparison with competitive product (EU).



POLIMUN IB MULTI

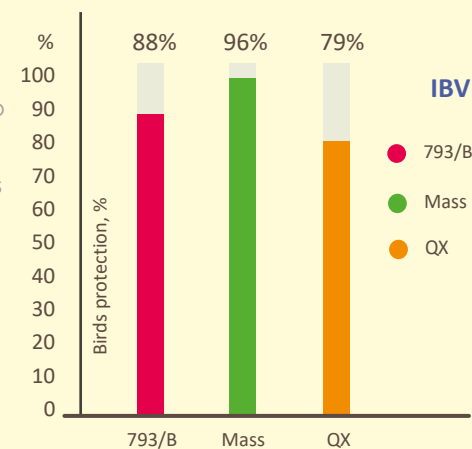
Protection against 3 most widespread strains of IBV

POLIMUN IB MULTI contains strains BK-07 (group 793/B) and H-120, which provide cross-protection against various serotypes of Infectious Bronchitis virus.

Strain BK-07 is isolated on the territory of Ukraine and provides the vaccine with premium ability to neutralize field virus.

For control challenge we used three field isolates three weeks after vaccination. The challenge was performed in Laboratory of vaccine preparations of IVM UAAS². Results confirmed powerful cross protection.

Protection of poultry vaccinated by POLIMUN IB MULTI (ciliostatic test).



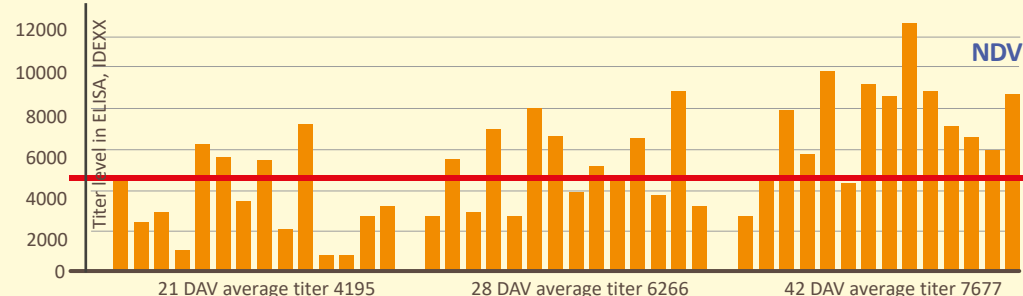
²Institute of Veterinary Medicine of the Ukrainian Academy of Agricultural Sciences.

POLIMUN ND inac

Protection for high probability of Newcastle infection

The vaccine stimulates production of protective titers in 3 weeks after vaccination. Specially balanced adjuvant provides fluidity for vaccine and easy inoculation.

Formation of protective titers after vaccination of 14 birds at the age of 24 hours POLIMUN ND inac *.



*Center for Veterinary Diagnostics, Expert Protocol No. 192 dated 17.04.2015.