

Bioveta NEWS

Information bulletin for veterinarians

1/2017

Biocan[®] NOVEL Puppy

Excellent solution to
puppy distemper
and parvovirus

We have expanded
our Biocan NOVEL
vaccine series



bioveta



Biocan[®] NOVEL Puppy

COMBINED VACCINE AGAINST PUPPY DISTEMPER AND PARVOVIROSIS

Biocan Novel Puppy is verified by challenge tests against three parvovirus strains CPV 2a, 2b, 2c, and against the CDV distemper virus

- It protects puppies **from the 6th week of their age**
- It contains the **live** CDV strain and **live** CPV 2b strain in order to **minimize local reactions**
- Highly **effective** even in presence of protective **maternal antibodies**



**THE ONLY VACCINE ON THE MARKET COMBINING HIGH TITRES
OF THE CPV 2b LIVE CURRENT PUPPY PARVOVIROSIS STRAIN
AND HIGH DISTEMPER TITRES**

Development of the Biocan NOVEL Puppy

This development was based on the latest dog vaccinology trends, which consider the sufficient immunity of puppies through maternal antibodies up to 8-9 weeks of their age.

The existing clinical studies confirmed that the percentage of regularly vaccinated dogs is very high, and that the immunity based on maternal antibodies allows moving the first puppy vaccination age to six weeks.

For this reason, our Biocan NOVEL Puppy vaccine was designed since the very beginning as one to be used in puppies over six weeks old.

We based on selection of vaccination antigens on the fact that puppies face both parvovirus and distemper, which still exists in multiple locations in Europe.

Our vaccine is also designated for breeds with persistent parvovirus problems or in the case of parvovirus outbreak in their neighbourhood.

Unlike numerous other vaccines designed for the first vaccination of puppies against parvovirus, our Biocan NOVEL Puppy vaccine contains a combination of two viruses. Besides the live CPV 2b parvovirus current strain, which was already verified through clinical practice, our vaccine also contains the highly immunogenic CDV live distemper virus.

The low passage of viruses that retains a specific degree of virus infectiousness will ensure both sufficient safety and the vaccine's ability to overcome high levels of maternal antibodies.

Another benefit of the Biocan NOVEL Puppy vaccine rests in its contents of the CPV 2b and CDV antigens in high titres. This underlines the high immunogenicity of low passage viruses.

These two properties allow to overcome high maternal antibody levels and establish, unlike the conventional vaccines and other vaccines designated for puppy vaccination, the necessary immunity against two dangerous infections.

Safety of both of antigens were tested in six weeks old puppies by a ten-fold dose application.

During safety tests we followed the local reactions and systemic reactions; however, no post-vaccination reactions were observed despite the high antigen load.

Our development resulted in the Biocan NOVEL Puppy vaccine, which is the only vaccine on the market that combines the most frequently acting CPV 2b parvovirus and CDV distemper virus in high titres and low passage. Our vaccine guarantees maximum safety when used in puppies since the age of 6 weeks.



Biocan[®] NOVEL Puppy



HIGHLY EFFECTIVE VACCINE AGAINST PUPPY DISTEMPER AND PARVOVIROSIS CONTAINING HIGH VIRUS TITRES IN LOW PASSAGE



CONTAINS THE CURRENT CPV 2b ACTUAL AND HIGHLY IMMUNOGENIC PARVOVIRUS



CHALLENGE TESTS CONFIRMED IMMUNITY OF PUPPIES AGAINST THE THREE PARVOVIRUS STRAINS – CPV 2a, 2b, and 2c AND AGAINST THE CDV DISTEMPER VIRUS



IT CONTAINS THE LIVE CDV STRAIN AND LIVE CPV 2b STRAIN IN ORDER TO MINIMIZE LOCAL REACTIONS



DURING OUR VACCINE DEVELOPMENT, WE SELECTED THE DISTEMPER AND PARVOVIROSIS STRAINS, THAT WILL RELIABLY TRIGGER ANTIBODY RESPONSE IN SIX-WEEK-OLD PUPPIES, WHILE THE VACCINE APPLICATION GENERATES NO UNDESIRABLE SYSTEMIC REACTIONS AND SERIOUS LOCAL REACTIONS



HOW TO INTEGRATE THE Biocan NOVEL Puppy vaccine INTO VACCINATION SCHEDULES

The Biocan NOVEL Puppy vaccine contain **live** CPV 2b virus.

Besides the contents of **high titres**, the viruses are in **low passage**, which guarantees high immunogenicity and overcoming of residual maternal antibodies.

THE MOST COMMON PUPPY VACCINATION SCHEDULE FOR THE Biocan NOVEL Puppy VACCINE IN A GOOD DISEASE SITUATION

7. – 8. Week	Biocan® NOVEL Puppy
10. – 11. Week	Biocan® NOVEL DHPPi/L4
13. – 15. Week	Biocan® NOVEL DHPPi/L4R



PUPPY VACCINATION SCHEDULE BASED ON THE Biocan NOVEL Puppy VACCINE WHEN THE DISEASE EPIDEMIOLOGICAL SITUATION IS POOR (CPV 2, CDV), OR FOR PUPPIES FROM NON-VACCINATED MOTHERS

6. Week	Biocan [®] NOVEL Puppy
8. – 9. Week	Biocan [®] NOVEL Puppy
11. – 13. Week	Biocan [®] NOVEL DHPPi/L4
14. – 16. Week	Biocan [®] NOVEL DHPPi/L4R



We recommend the specified schedules for breeds in which the regular vaccination schedules are not effective enough due to viruses unexpectedly spreading already during the puppies' young ages when they are often completely healthy and fed. There is also the issue of the unknown condition of the bitches' vaccinations and the level of immunity based on their maternal antibodies.

In those cases, only early and regular vaccination helps from the earliest puppy's age.

We recommend the schedules for breeds with elevated sensitivity to the dog parvovirus as well (rottweiler, doberman, German shepherd, pincher).

WE RECOMMEND THE Biocan NOVEL Puppy VACCINE:

- For vaccination of puppies since the age of 6 weeks
- To vaccinate puppies with interfering maternal antibodies that may neutralize the vaccine
- When outbreak of parvovirus and canine distemper occurs in places where puppies reside

In Biocan NOVEL Puppy vaccine the antigens are limited to two to reduce the biological burden polivalent vaccines put on young puppies. Subsequently these limited and effective antigens guarantee excellent immune response of puppies at an early age.



Biocan[®] **NOVEL** Puppy

Combined vaccine protecting puppies against CPV 2 and CDV

- To prevent mortality and clinical symptoms caused by the canine distemper virus
- To prevent clinical symptoms, leukopenia and excretion of virus caused by the canine parvovirus of the 2a, 2b, and 2c types
- Verified by challenges against three parvovirus strains CPV 2a, 2b, 2c, and against the CDV distemper virus
- It protects puppies from the 6th week of age
- Highly effective even in presence of protective maternal antibodies
- It contains the live CDV and CPV 2b strains
- Minimum local reactions



Packaging 10 × 1 dose

VACCINE DESIGNED FOR PROTECTION OF PUPPIES FROM SIX WEEKS OF AGE, EFFECTIVE EVEN IN PRESENCE OF MATERNAL ANTIBODIES

NOVELTY OF 2017

CANINE VACCINE SERIES **Biocan[®]** **NOVEL**

NOVELTY

Biocan[®] **NOVEL** **Puppy**

Combined vaccine protecting puppies against CPV 2 and CDV

Packaging 10 × 1 dose



Biocan[®] **NOVEL** **DHPPi/L4R**

Combined vaccine against CPV, CDV, CAV - 1, CAV - 2, CPiV, and four leptospira serovars and rabies

Packaging 10 × 1 dose



Biocan[®] **NOVEL** **DHPPi/L4**

Combined vaccine against CPV, CDV, CAV - 1, CAV - 2, CPiV, and four leptospira serovars

Packaging 10 × 1 dose



Biocan[®] **NOVEL** **DHPPi**

Combined vaccine against CPV, CDV, CAV - 1, CAV - 2, and CPiV

Packaging 10 × 1 dose



Biocan[®] **NOVEL** **Pi/L4**

Combined vaccine against four leptospira serovars and parainfluenzae

Packaging 10 × 1 dose



TO PLACE AN ORDER, PLEASE CONTACT YOUR LOCAL BIOVETA SALES REPRESENTATIVE