Bioveta News

Bioveta newsletter for veterinarians 1/2016

WE HAVE FULFILLED OUR PROMISE

Three-year immunity has been registered!

VACCINE SERIES FOR DOGS

Biocan®

NOVEL

VACCINES
OF THE FUTURE
NOW WITH
THREE-YEAR
IMMUNITY

bioveta

VACCINES OF THE FUTURE NOW WITH THREE-YEAR IMMUNITY

Four reasons why to use the new Biocan NOVEL vaccine with three-year immunity

1. Minimal dog's body burden by annual antigen administration into the body

Each administration of a foreign substance, including vaccination antigens, is a burden on the organism. By eliminating the need of annual administration of D, H, P and R antigens, the burden on the organism is considerably reduced.

2. Minimal post-vaccination reactions due to the antigen administration into the dog's body

The three-year vaccination schedule can also be used for dogs sensitive to vaccination. The application of D, H, P and R antigens every three years minimizes the risk of adverse reactions, including late adverse reactions, which are often overlooked and not associated with vaccination by veterinarians and owners.

3. Minimal immune-mediated diseases

Annual polyvalent revaccination may trigger immune-mediated diseases. The three-year vaccination schedule can also be used for dogs after autoimmune disease, or with a history of conditioned immune response.

4. Even when the three-year immunity in the Biocan NOVEL vaccination schedule is used you do not lose your patient's annual visit

It is essential that your client should visit your office with their dog every year. Even with three-year vaccination schedules, healthy dogs should have the Pi/L4 component re-vaccinated annually.

Biocan®
NOVEL

MOST COMMONLY RECOMMENDED BIOCAN NOVEL VACCINATION SCHEDULES

Optimum vaccination schedule for the Biocan NOVEL vaccine is prepared by the veterinary surgeon taking account of the health and nutritional status of the puppy, level of the breed the puppy comes from, bitch vaccination data, disease situation at the puppy's breed location, and the potential of the vaccine used.

THE BIOCAN NOVEL VACCINES NOW ALLOW YOU TO:

- Vaccinate with the new, up-to-date and highly immunogenic CPV - 2b strain verified by challenge tests against CPV - 2a, CPV - 2b and CPV - 2c strains. The vaccination strain readily neutralizes residual maternally-derived antibodies.
- Vaccination of six-week-old puppies also against four Leptospira (previously from 8 weeks and only three Leptospira strains). The new strain is *Leptospira bratislava*.
- Rabies vaccination from 6 weeks of age (important for early vaccination in special cases such as export of puppies).
- Three-year immunity after completion of basic vaccination against canine parvovirus, canine distemper, infectious laryngotracheitis, infectious hepatitis and rabies.

MOST COMMONLY RECOMMENDED BIOCAN NOVEL VACCINATION SCHEDULE

Week 7 to 9	Biocan® NOVEL DHPPi
Week 10 to 12	Biocan® NOVEL DHPPi/L4
Week 13 to 16	Biocan® NOVEL DHPPi/L4R

The vaccination schedule covers all main problems of puppy vaccination:

- Starts at an early age of the puppy when it readily immunizes puppies with low maternally-derived antibody levels even after the first vaccination
- Ends after 13 weeks of age of the puppies, which ensures a good antibody response also in puppies with extremely high maternally-derived antibody levels that often adversely affect early vaccination

Long-term results of laboratories testing anti-rabies antibodies in puppies have shown that almost 10% of puppies is unable to produce anti-rabies antibodies higher than 0.5 IU/ml following single application. This may pose a problem when travelling with puppies to countries requiring proof of sufficient anti-rabies antibody level - higher than 0.5 IU/ml – before entry.

RECOMMENDED BIOCAN NOVEL VACCINATION SCHEDULE WITH FOCUS ON REACHING ANTI-RABIES ANTIBODY LEVEL HIGHER THAN 0.5 IU/ml IN 100 % OF VACCINATED DOGS

Week 7 to 9	Biocan® NOVEL DHPPi
Week 10 to 12	Biocan® NOVEL DHPPi/L4R
Week 13 to 16	Biocan® NOVEL DHPPi/L4R

- The vaccination starts at an early age of the puppy when it readily immunizes puppies with low maternally-derived antibody levels mostly even after the first vaccination.
- The schedule ends after 13 weeks of age of the puppies, which ensures a good antibody response also in puppies with extremely high maternally-derived antibody levels that often adversely affect early vaccination.

- Such vaccinated puppies do not have any problem travelling to countries requiring protective anti-rabies antibody levels higher than 0.5 IU/ml. This schedule is also recommended in countries with a high risk of rabies infection and poor health and nutritional status of puppies (poor health and nutritional status of puppies adversely affects vaccination results and more vaccinations are needed for a good protection).

RECOMMENDED VACCINATION SCHEDULE WITH FOCUS ON HIGH ANTI-RABIES ANTIBODIES AT AN EARLY AGE

Week 6	Biocan® NOVEL DHPPi/L4R
Week 8 to 9	Biocan® NOVEL DHPPi/L4R
Week 12 to 13	Biocan® NOVEL DHPPi/L4R

- About ten days after the second vaccination, the anti-rabies antibody level is higher than 0.5 IU/ml. Puppies can be exported abroad at an early age. Following export, another vaccination after 13 weeks of age of the puppy is advisable. This vaccination ensures full protection of the puppies.

POOR DISEASE SITUATION (CPV, CDV) – INFECTION IN BREEDS WITH HIGH NUMBERS OF BITCHES AND PUPPIES, POOR HEALTH AND NUTRITIONAL STATUS OF PUPPIES, PUPPIES FROM UNVACCINATED BITCHES

Week 6	Biocan® NOVEL DHPPi
Week 9 to 10	Biocan® NOVEL DHPPi/L4
Week 12 to 14	Biocan® NOVEL DHPPi/L4R
Week 15 to 17	Biocan® NOVEL DHPPi/L4R

The schedule above is recommended in breeds where usual vaccination schedules are not effective enough due to unpredictably spreading diseases even at an early age of puppies, and the often associated poor health and nutritional status of puppies, and also where the status of bitch vaccination and the level of puppy protection by maternal antibodies are unknown. In such cases, the only help is an early and regular vaccination from the earliest possible age of puppies. The schedule is also recommended for breeds with increased sensitivity to canine parvovirus (Rottweiler, Doberman, German Shepherd, Pinscher).

VACCINATION OF PUPPIES FROM A REGULARLY VACCINATED MOTHER WITH EXPECTED HIGH MATERNALLY-DERIVED ANTIBODY LEVELS

Week 8 to 9	Biocan® NOVEL DHPPi
Week 11 to 13	Biocan® NOVEL DHPPi/L4
Week 14 to 16	Biocan® NOVEL DHPPi/L4R

REVACCINATION

REVACCINATION WITH A FULL USE OF ALL ADVANTAGES OF THREE-YEAR IMMUNITY WITH D, H, P AND R COMPONENTS

First year:
revaccination at 12 months after the basic vaccination
Biocan® NOVEL Pi/L4

Second year:
revaccination at 12 months after the first revaccination
Biocan® NOVEL Pi/L4

Third year:
revaccination at 12 months after the second revaccination
Biocan® NOVEL DHPPi/L4R

This revaccination schedule repeats every three years of the dog's life

REVACCINATION ACCORDING TO THE TRADITIONAL VACCINATION SCHEDULE, WITHOUT USING THE ADVANTAGES OF THREE-YEAR IMMUNITY WITH D, H, P AND R COMPONENTS

Revaccination at 12 months after the basic vaccination, and then every year of the dog's life
Biocan® NOVEL DHPPi/L4R

REVACCINATION OF DAMS

First revaccination:
12 months after the basic vaccination
Biocan® NOVEL DHPPi/L4R

Annual revaccination of dams with Biocan NOVEL DHPPi/L4R is recommended to ensure high levels of colostral antibodies and protection of puppies to a higher age
Biocan® NOVEL DHPPi/L4R

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NOVEL

THREE-YEAR IMMUNITY

- **Three-year duration of immunity to CPV, CDV, CAV and rabies has been verified by challenge tests.**

CURRENT CPV STRAIN - 2b

- **The vaccines contain current, highly immunogenic CPV - 2b.**
- **Vaccines containing this strain protect against CPV - 2a, CPV - 2b and CPV - 2c strains.**

FOUR LEPTOSPIRA SEROGROUPS

- **The vaccines contain four highly pathogenic and most common serogroups of Leptospira: *L. canicola, L. icterohaemorrhagiae, L. grippotyphosa* and *L. bratislava.***
- **Protection against leptospirosis occurs as early as four weeks following basic vaccination.**

HIGHLY IMMUNOGENIC CANINE DISTEMPER STRAIN

- **The CDV strain is a highly immunogenic Onderstepoort-related strain, which is globally the most widely used canine distemper strain providing excellent antibody response.**

EFFECTIVE RABIES VIRUS

- **Protection against rabies occurs two weeks after a single application made at an age over twelve weeks.**
- **The combined rabies vaccine can be used in puppies from the age of 6 weeks. Revaccination is necessary in this case.**

ONSET OF IMMUNITY

- **The onset of immunity to CDV, CPV, CAV-1 and CAV-2 in seronegative individuals has been confirmed as early as three weeks following single application.**

NO SIDE REACTIONS

- **Leptospira are repeatedly filtered and purified to reach low concentrations of the resulting proteins used for Leptospira cultivation. These measures ensure that side reactions are minimal.**

BEST PRICE

- **among premium dog vaccines.**

VACCINE HAS BEEN SUCCESSFULLY TESTED AT VETERINARY SITES IN FRANCE, GERMANY AND UNITED KINGDOM

Your questions – our answers

I have a strong opinion on Biocan NOVEL because I lose my clients due to the three-year vaccination interval. Can the vaccination schedule be adjusted so that my clients visit me every year?
Three-year immunity applies only to CPV, CDV, CAV and rabies R antigens after the completion of the basic vaccination schedule. In the meantime, revaccinations against leptospirosis and parainfluenza are required at annual intervals, which means that your clients have to visit you every year even when using the full advantages of the Biocan NOVEL vaccines.

I vaccinate with Biocan DHPPi/LR on a regular basis, and I would like to switch to Biocan NOVEL DHPPi/L4R. What is the procedure?
The switch-over is simple. For annual revaccinations you can use Biocan NOVEL DHPPi/L4R instead of Biocan DHPPi/LR. After 3 to 4 weeks (the reason is revaccination against the fourth Leptospira serovar – Leptospira bratislava), use Biocan NOVEL Pi/L4. For further annual revaccination use Biocan NOVEL according to the recommended revaccination schedules (i.e. Biocan NOVEL DHPPi/L4R or Biocan NOVEL Pi/L4).

Can I combine vaccines from the original Biocan series with the new Biocan NOVEL series?
In indicated cases, Biocan M Plus can be used for concurrent vaccination with the Biocan NOVEL series from 2 months of the puppy's age, and Borrelym 3, Biocan B and Biocan T for concurrent vaccination, again with the Biocan NOVEL series, from 3 months of the puppy's age. However, it is more adequate to vaccinate puppies after basic vaccination completion, i.e. from 4 to 5 months of age.

What is the risk of adverse reactions following the application of Biocan NOVEL series vaccines? I am afraid of using Biocan NOVEL considering the four Leptospira serovars that are the most common cause of adverse post-vaccination reactions.
It is true that the Leptospira component of the vaccine is the common cause of reactions following the vaccination of dogs. However, Leptospira in the Biocan NOVEL vaccine are repeatedly filtered and purified to reach very low concentrations of the resulting proteins used for Leptospira cultivation.
These measures ensure that side reactions are minimal. In general, the most common incidence of post-vaccination adverse reactions occurs in small breeds under 10 kg. If you are concerned, we therefore recommend you to vaccinate medium-sized, large and giant breeds with the Leptospira vaccine component from 8 weeks of age, and small breeds from 12 weeks of age.

Bioveta, a. s.
Komenského 212/12, 683 23 Ivanovice na Hané, tel.: 517 318 604, 517 318 605, e-mail: info@bioveta.cz, **www.bioveta.cz**

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VACCINE SERIES FOR DOGS

Biocan® NOVEL

Biocan® NOVEL DHPPi/L4R

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


Biocan® NOVEL DHPPi/L4

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


Biocan® NOVEL DHPPi

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


Biocan® NOVEL Pi/L4

Combined vaccine against four Leptospira serovars and canine parainfluenza


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