

NEOTECH Vaccines:



Building A Lifetime of Canine Core Vaccine Protection

One of the many challenges facing dog breeders and owners is ensuring that puppies have an adequate level of protection against lethal disease when puppies leave the kennel.

The Facts

Puppies less than 8 weeks of age often do not contact lethal contagious infections because most puppies are raised in a disease-free environment. Furthermore, antibodies passed from the bitch to the puppies (maternal antibodies) protect them against infectious diseases. However, maternal antibody levels have declined to an un-protective level by 8 to 10 weeks of age and most puppies leave the disease-free environment in which they were raised. This puts puppies in a position to be challenged by infection without protection. **Ensuring that puppies have an adequate level of protection at this age requires the use of vaccines that stimulate antibody production in the presence of existing maternal antibodies.**

Dispelling Veterinary 'Myth'

Veterinarians generally believe that the immune system of young puppies is unable to respond to vaccination because maternal antibodies adversely impact the effectiveness of a vaccine. This idea has been perpetuated by the fact that one dose of a complex combination vaccine containing 5 to 9 different antigens is unable to stimulate protection in young puppies.

NeoTech Successfully Breaks Vaccine Protocol

NEOTECH, LLC has discovered the key to inducing antibody production in a majority of young puppies after just one dose. There are 3 main features of NEOTECH's vaccines that enable production of antibodies in young puppies with moderate to high levels of maternal antibody.

1. NEOTECH's modified live vaccines contain more virus units per dose than complex combination vaccines. Modified live vaccines closely resemble the viruses that they induce protection against and therefore, induce a robust immune response. The greater number of vaccine units per dose results in a shorter period from vaccination to protection, a higher initial level of protection, and a longer duration of protection.

2. NEOTECH's vaccines are presented in single antigen (NEOPAR®) and simple combination (NEOVAC-DA2) forms. Single antigen and simple combination vaccines are more efficient at stimulating antibody production. By separating the parvovirus (NEOPAR®) and distemper virus (NEOVAC®-DA2) vaccines, the immune system is capable of generating a superior response compared to the standard distemper-parvovirus combination found in all 5, 7, and 9 antigen vaccines. Single antigen and simple combination vaccines are also less likely to induce an adverse reaction than complex combination vaccines.

3. NEOTECH's vaccines protect against the most lethal and prevalent diseases. Since a young puppies' immune system is not fully developed, vaccination should be reserved for protection against the core viruses that puppies are most likely to encounter or are most pathogenic (parvovirus, distemper, adenovirus type 2 and rabies). One should avoid using those vaccines that attempt to unnecessarily generate protection against non-core diseases that the puppy may not encounter (leptospirosis, kennel cough, lyme disease or giardia) or are of little consequence (parainfluenza and coronavirus). This is the "core vaccine" principle endorsed by the 2006 American Animal Hospital Association Vaccine Task Force.

NEOTECH Vaccines are:

*The **First** line of defense against three of the four core canine diseases (*parvovirus, distemper, adenovirus type 2 and rabies*)

***Safe** for young puppies

*The most **Effective** in protecting young puppies **Earlier** and at a **Higher** level of Protection than most complex combination vaccines meant for canine adults.

Protection starts with the first dose!

*simple and single antigen vaccines, creating fewer adverse reactions than complex combinations.

***Eliminating** Over-Vaccination of young puppies

Give your pets **What** they need-**When** they need it



NEOPAR®
(canine parvovirus)

NEOTECH, LLC
Dresden, TN

NEOVAC®DA2
(canine distemper-adenovirus type 2)

"Core Vaccines for the Life of Your Pet."

(877) 636-8324 - www.neotechvaccines.com

*All NeoTech vaccines are listed in the NACCV