



## Compendium of Veterinary Products - US edition

ZOETIS INC.  
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Every effort has been made to ensure the accuracy of the information published. However, it remains the responsibility of the readers to familiarize themselves with the product information contained on the USA product label or package insert.

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### **VANGUARD® PLUS 5/CV**

Zoetis

#### **Canine Distemper-Adenovirus Type 2-Coronavirus-Parainfluenza-Parvovirus Vaccine**

#### **Modified Live and Killed Virus**

#### **For use in dogs only**

#### **Thimerosal free**

For vaccination of healthy dogs 6 weeks of age or older as an aid in preventing disease caused by CD virus, CAV-1, CAV-2, CPI virus, CCV, CPV and CPV-2c. Vanguard Plus 5/CV contains attenuated strains of CD virus, CAV-2, CPI virus, CPV and inactivated CCV. The high-titer, low-passage CPV virus in Vanguard Plus 5/CV is highly immunogenic and capable of stimulating active immunity in the presence of maternal antibodies. This product does not contain CPV type 2c. Cross protection against CPV type 2c was demonstrated in vaccinated puppies challenged 5 weeks following second vaccination.

Vaccination and revaccination according to label directions have been demonstrated (under field conditions) to result in serum antibody titers that persist for 12-48 months against CV virus (serum neutralization [SN] titer  $\geq 1:32$ ), CAV- 1 (SN  $\geq 1:16$ ), CAV-2 (SN  $\geq 1:16$ ), CPI virus (SN  $\geq 1:16$ ), and CPV (hemagglutination inhibition [HAI] titer  $\geq 1:80$ ).

**Directions:** Aseptically rehydrate the freeze-dried vaccine (Vanguard Plus 5) with the accompanying vial of liquid vaccine (Vanguard CV), shake well, and administer 1 mL subcutaneously or intramuscularly. Healthy dogs 6 weeks of age or older should receive 3 doses, each administered 3 weeks apart. Annual revaccination with a single dose is recommended. Duration of immunity has not been established.

**Precautions:** Store at 2°-7°C. Prolonged exposure to higher temperatures and/or direct sunlight may adversely affect potency. Do not freeze. Use entire contents when first opened. Sterilized syringes and needles should be used to administer this vaccine. Do not sterilize with chemicals because traces of disinfectant may inactivate the vaccine. Burn containers and all unused contents. Contains gentamicin as preservative. Vaccination of pregnant bitches should be avoided. As with many vaccines, anaphylaxis may occur after use. Initial antidote of epinephrine is recommended and should be followed with appropriate supportive therapy.

Technical inquiries should be directed to Zoetis Inc. Veterinary Services, (888) 963-8471 (USA), (800) 461-0917 (Canada).

This product has been shown to be efficacious in healthy animals. A protective immune response may not be elicited if animals are incubating an infectious disease, are malnourished or parasitized, are stressed due to shipment or environmental conditions, are otherwise immunocompromised, or the vaccine is not administered in accordance with label directions.

U.S. Veterinary License No. 190

Zoetis Inc., Kalamazoo, MI 49007

25 1-dose vials of vaccine, rehydrate each to 1 mL  
13135200

25 1-mL vials of liquid vaccine for use as diluent

**CPN:** 3690157.5

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