VCHECK

Antibody Titer Test

Only practical way to assess protective immunity

Feline Antibody Tests

- Vcheck FPV Ab
- Vcheck FHV Ab
- Vcheck FCV Ab

Canine Antibody Tests

- Vcheck CPV Ab
- Vcheck CDV Ab
- Vcheck CAV Ab

BIONOTE

Why should we know an Antibody Titer?

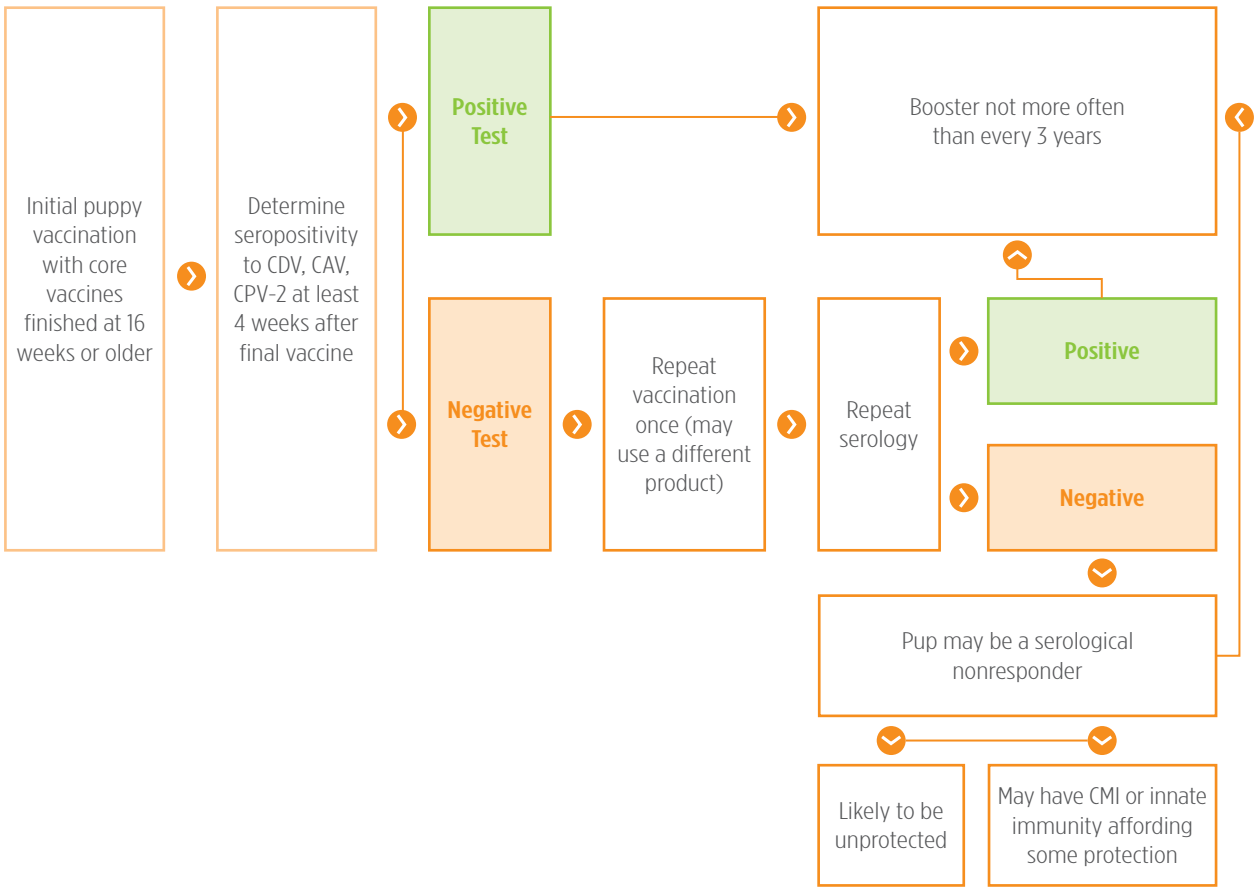
Clearly and Safely,

Testing for antibody is presently the only practical way to ensure that the immune system in cats and dogs has recognized the vaccinal antigen. The principles of 'Evidence-based veterinary medicine' suggest that testing for antibody status (for either puppies or adult dogs) should be better practice than simply administering a vaccine booster on the basis that this would be 'safe and cost less'.

WE SHOULD AIM TO REDUCE THE **'VACCINE LOAD'** ON INDIVIDUAL ANIMALS
IN ORDER TO MINIMIZE THE POTENTIAL FOR ADVERSE REACTIONS TO VACCINE PRODUCTS.

* Flow chart for serological testing of puppies

2016 WSAVA VACCINATION GUIDELINES



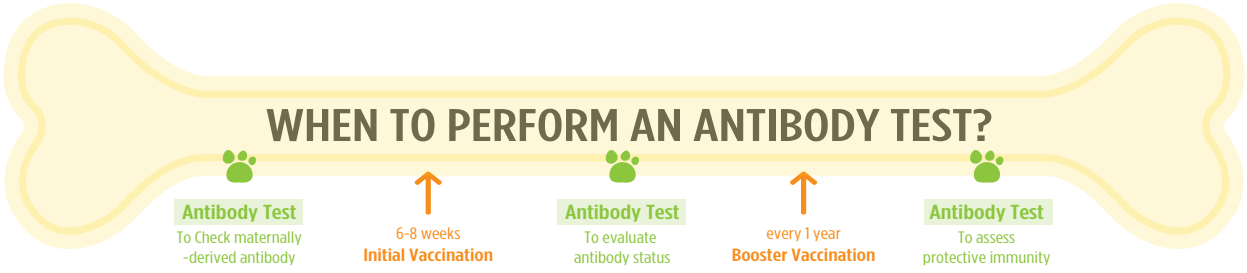
Vcheck Ab (Antibody Titer Test)

Specifications

- **Species :** Dog, Cat
- **Sample:** Serum, plasma 5 ㎕
- **Testing time :** 10 min.
- **Measurement:** Semi-quantitative
- **Storage Condition :** 2 - 30 °C (Room Temp.)

Clinical Application

- To evaluate immune status after vaccination
- To optimize a vaccination protocol in consideration of maternally-derived antibody
- To schedule revaccination properly



Evaluation Data

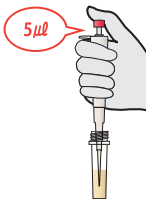
High correlations with gold standard methods (HI, VN test)

Vcheck CPV Ab	Compared with HI test (gold standard)	Sensitivity 100 %	Specificity 85.7 %
Vcheck CDV Ab	Compared with VN test (gold standard)	Sensitivity 100 %	Specificity 83.1 %
Vcheck CAV Ab	Compared with VN test (gold standard)	Sensitivity 87.8 %	Specificity 98.2 %
Vcheck FHV Ab	Compared with VN test (gold standard)	Sensitivity 100 %	Specificity 91.5 %
Vcheck FPV Ab	Compared with HI test (gold standard)	Sensitivity 100 %	Specificity 95.2 %
Vcheck FCV Ab	Compared with VN test (gold standard)	Sensitivity 92.7 %	Specificity 85.3 %

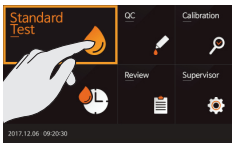
Test Procedure

Standard Test

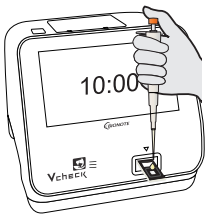
1. Add 5 ㎕ of the sample to the assay diluent tube



2. Select “Standard Test” and insert the test device into the Vcheck analyzer



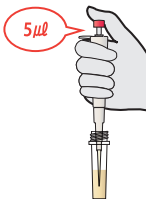
3. Mix well 5-6 times and add 100 ㎕ of the mixed sample to the sample hole of the test device



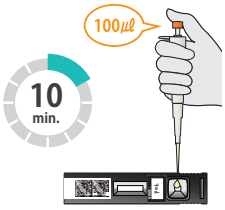
Read Only

* The 'Read Only' mode is more suitable when three antibodies are tested at once.

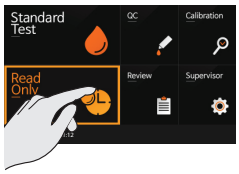
1. Add 5 ㎕ of the sample to the assay diluent tube



2. Mix well 5-6 times and add 100 ㎕ of the mixed sample to the sample hole of the test device and incubate for 10 min.



3. Select “Read Only” and insert the test device into the Vcheck analyzer



Test results	Titer (Gold standard)		Immune status
Negative (0) Low Titer (1) Low Titer (2)	CPV - HI below 1:40 CDV - VN below 1:16 CAV - VN below 1:8	FHV – VN below 1:8 FPV – HI below 1:40 FCV – VN below 1:16	Poor immune status (vaccination required)
Medium Titer (3) Medium Titer (3.5)	CPV - HI 1:80 ~ 1:120 CDV - VN 1:32 ~ 1:48 CAV - VN 1:16 ~ 1:32	FHV - VN 1:16 ~ 1:24 FPV - HI 1:80 ~ 1:120 FCV - VN 1:32 ~ 1:48	Protective immunity
High Titer (4) High Titer (4.5) High Titer (5) High Titer (5.5) High Titer (6)	CPV - HI above 1:160 CDV - VN above 1:64 CAV - VN above 1:64	FHV – VN above 1:32 FPV – HI above 1:160 FCV – VN above 1:64	Well with protective immunity

Ordering Information

Product No.	Product Name	Product Type	Packing Unit
VCF115DD	Vcheck CDV Ab	Device	10 Tests/Kit
VCF116DD	Vcheck CPV Ab	Device	10 Tests/Kit
VCF126DD	Vcheck CAV Ab	Device	10 Tests/Kit
VCF119DD	Vcheck FHV Ab	Device	10 Tests/Kit
VCF120DD	Vcheck FPV Ab	Device	10 Tests/Kit
VCF121DD	Vcheck FCV Ab	Device	10 Tests/Kit

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