



Vcheck

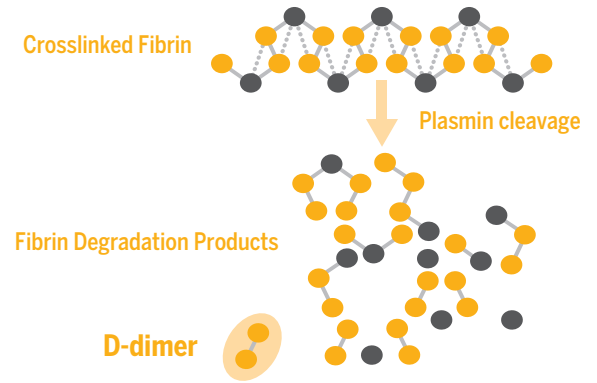
Canine D-dimer

Highly Sensitive Marker for Thromboembolism

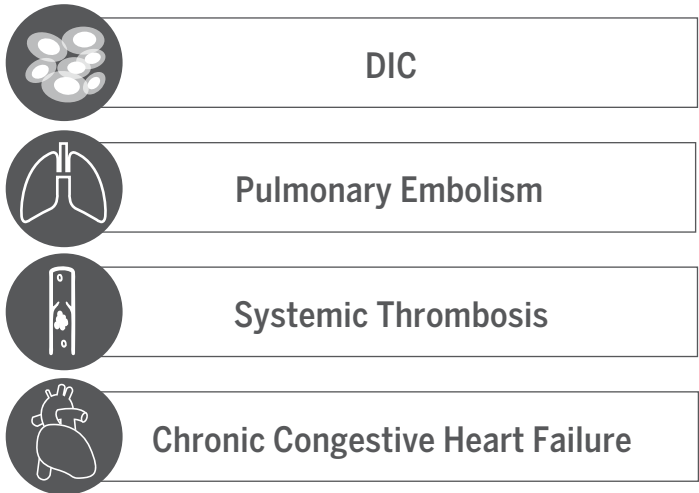


What is D-dimer?

Degradation of crosslinked fibrin produces D-dimer. Plasmin is the enzyme responsible for thrombolysis and acts on both fibrinogen and fibrin. Plasmin cleaves crosslinked fibrin resulting in a cleavage product consisting of 2 linked D domains or D-dimer.



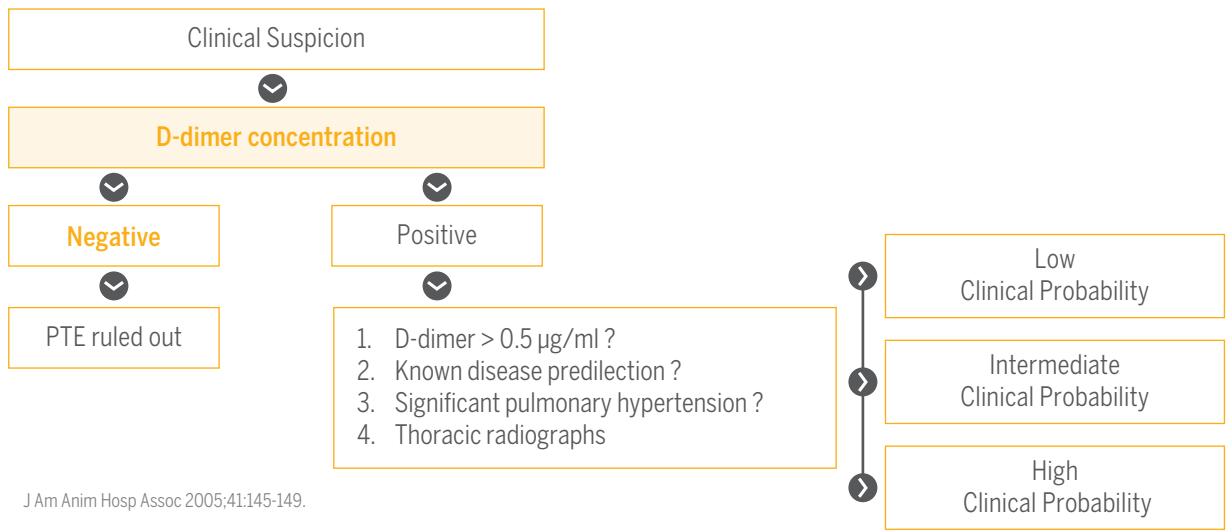
When is it done?



- ### Known Risk Factors for Thromboembolism in Canines
- Cancer
 - Sepsis
 - Pancreatitis
 - Vascular diseases (i.e., heartworm)
 - Congestive heart failure
 - Protein-losing disease
 - Immune-mediated disease
 - End/Exogenous Corticosteroids

Run D-dimer every time you suspect thromboembolic disease

Clinical Algorithm (Pulmonary Thromboembolism (PTE) in canines)



J Am Anim Hosp Assoc 2005;41:145-149.

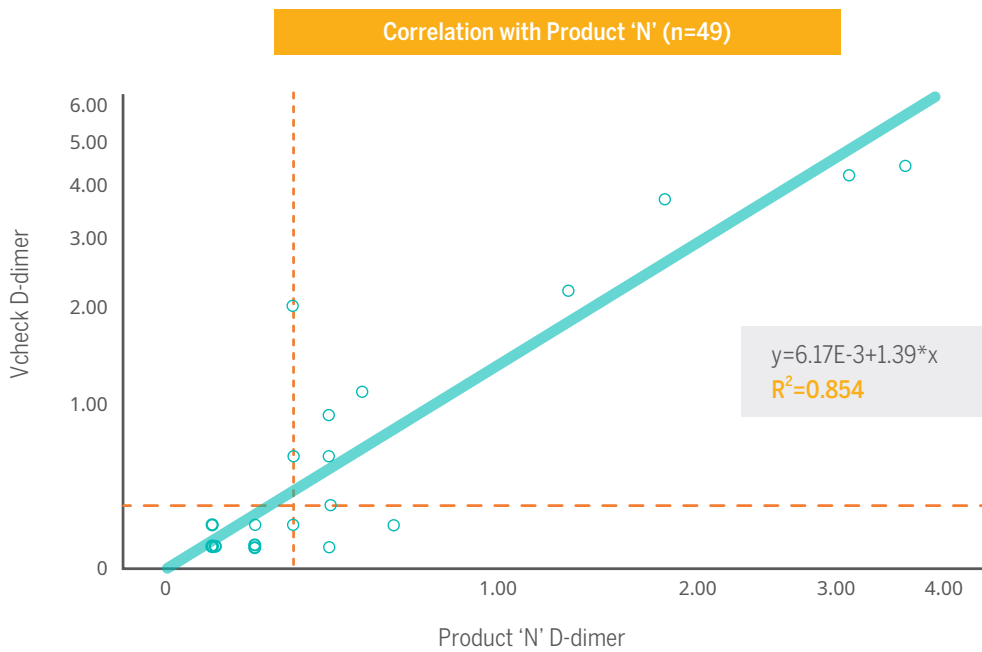
Vcheck D-dimer

Performance

Excellent Clinical Utility

- Stronger Correlation with clinical signs
- High correlation with product 'N' ($R^2=0.854$)

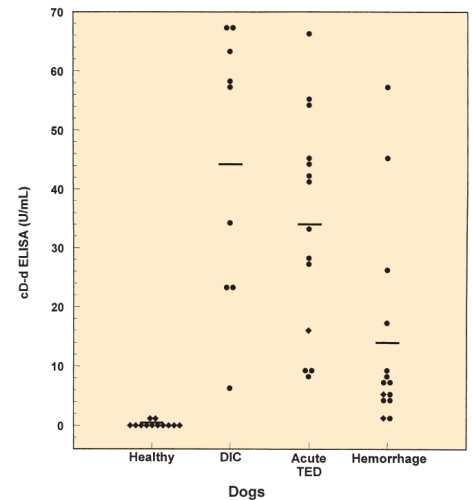
Researched by Haemaru Small Animal Clinical Research Institute & Referral Animal Hospital



Applications

- A Good Screening Test For
 - DIC (Disseminated intravascular coagulation)
 - Acute Thromboembolic Disease
- Assessment of Pulmonary Thromboembolism
- Monitoring of Antithrombotic therapy
- Prediction of Survival Prognosis after Surgery

AJVR, 64(12), 1562-1569, December 2003



Vcheck D-dimer

Specifications

Species	Canine
Sample Type	Plasma (Sodium Citrate only) 5µl
Measurement	Quantitative
Range	0.1 - 10 µg/ml
Testing Time	5 minutes
Storage Condition	2 - 8° C

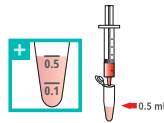


Simple Testing Procedure



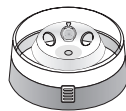
Sodium citrate

Use a 50 µl pipette to draw 50 µl of sodium citrate and add it to a 1.5 ml tube.



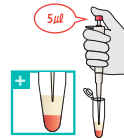
Whole blood

Add 450 µl of whole blood to the line of 0.5 ml.



Centrifuge

Mix the tube gently using a wrist snap making an 8-character shape and centrifuge at 3,000 rpm for 15 min.



Dilute sample

Use a 5 µl pipette to draw 5 µl of plasma and add it to the assay diluent tube.



Mix

Use a 100 µl pipette to mix the sample with diluent by pipetting 5 - 6 times.



Measure

Add all of the mixed sample to the sample well of the test device and press [START].

Reference Ranges

< 0.3 µg/ml	≥ 0.3 µg/ml
Normal	Abnormal TED/DIC* probable

* TED: Thromboembolic disease, DIC: Disseminated intravascular coagulation

Ordering Information

Product Name	Product Number	Product Type	Packing Unit
Vcheck D-dimer	VCF107DD	Device	10 Tests/Kit



from **BIONOTE**

03-22

For More Information:
bionote.com
customerservice@bionote.com
 800-727-5169

More From Bionote Vcheck Analyzers

All of Bionote's Vcheck biomarker tests are available for use on the Vcheck V200 and V2400 analyzers.

