

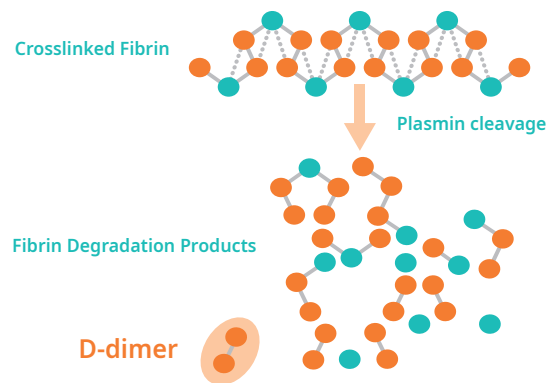
Vcheck D-dimer

Highly Sensitive Marker for Thromboembolism







What is D-dimer?

D-dimer is produced from degradation of crosslinked fibrin. 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?

-  DIC
-  Pulmonary Embolism
-  Systemic Thrombosis
-  Chronic Congestive Heart Failure

Known Risk Factors for Thromboembolism in Dogs

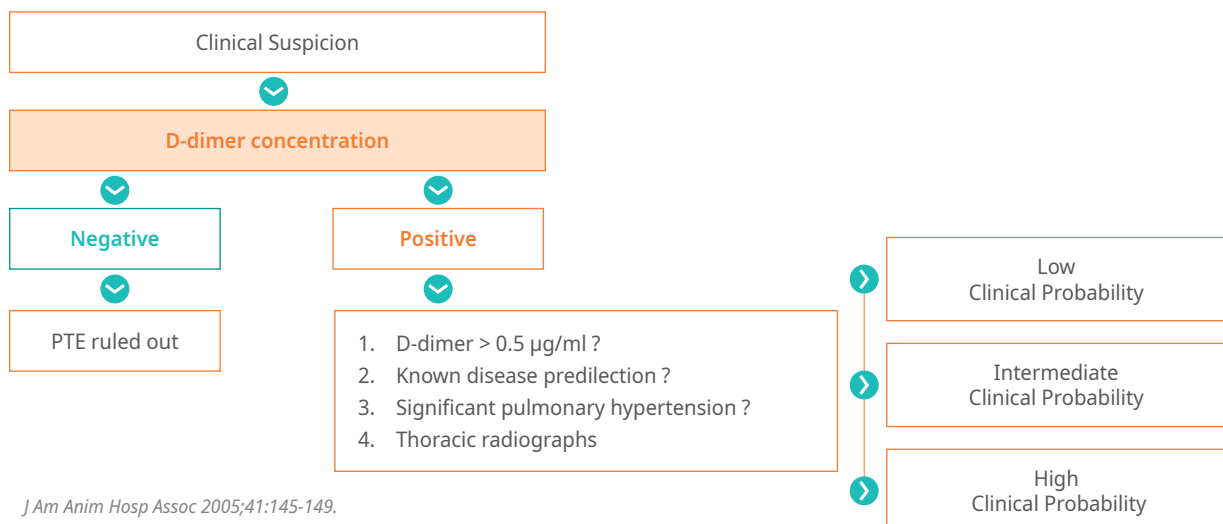
- Cancer
- Sepsis
- Pancreatitis
- Vascular diseases (i.e., heartworm)
- Congestive heart failure
- Protein-losing disease
- Immune-mediated disease
- End/Exogenous Corticosteroids



Run D-dimer every time you suspect thromboembolic disease

Clinical Algorithm

Algorithm for Pulmonary Thromboembolism (PTE) in dogs



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

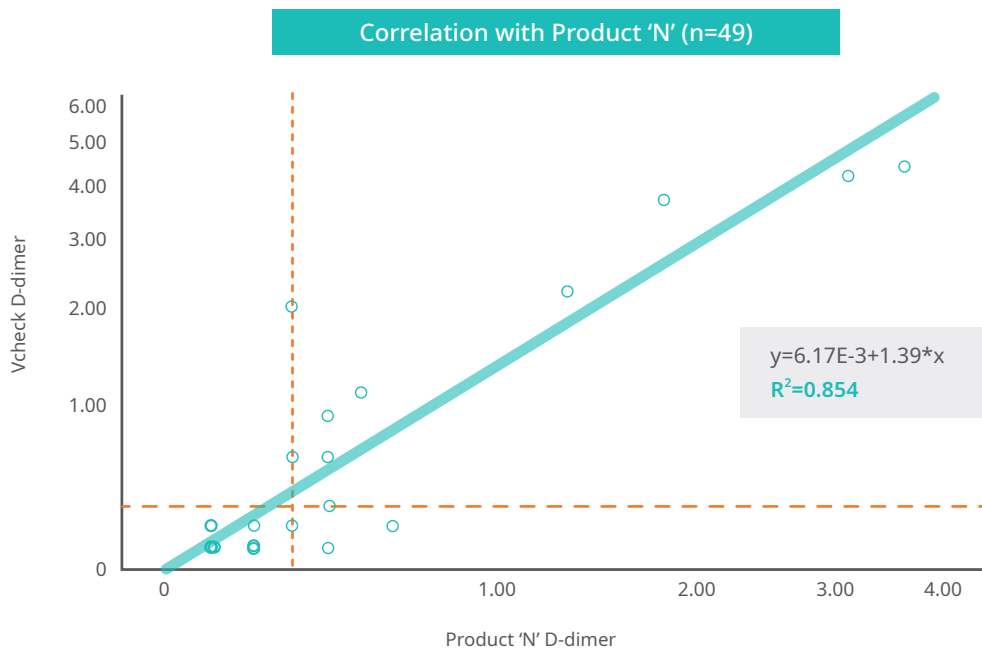
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Performance

Excellent Clinical Utility

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

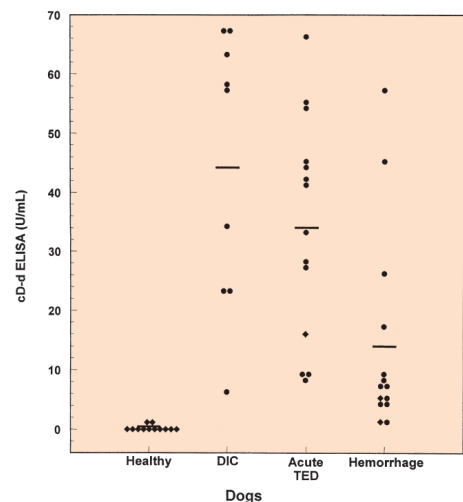
Researched by Haemaru Small Animal Clinical Research Institute & Referral Animal Hospital



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 : Dog
- Sample : Plasma (only Sodium Citrate)
- Testing Time : 5 minutes
- Measurement Range : 0.1 – 10 µg/ml
- Storage Condition: 2 - 8°C



Test Procedure

Coding	Sample	Mix	Apply
Select [Standard Test] and insert a test device	Add sample 5µl into an assay diluent tube	Mix well by using a 100µl pipette	Load all of the mixed sample

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 No.	Product Name	Product Type	Packing Unit
VCF107DD	Vcheck D-dimer	Device	10 Tests/Kit



Manufactured by

BioNote, Inc.

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