

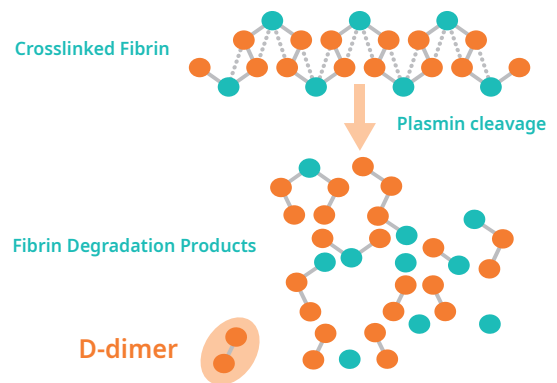
Vcheck D-dimer

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

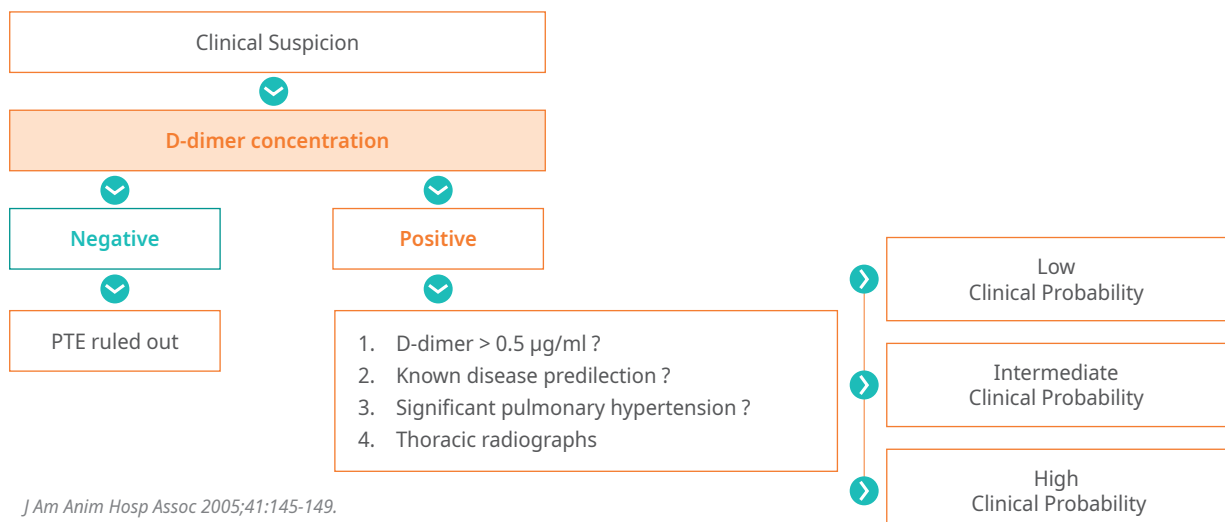
- Cancer
- Sepsis
- Pancreatitis
- Vascular diseases (i.e., heartworm)
- Congestive heart failure
- Protein-losing disease
- Immune-mediated disease
- End/Exogenous Corticosteroids



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.

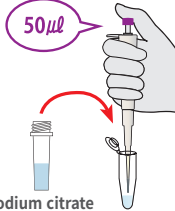
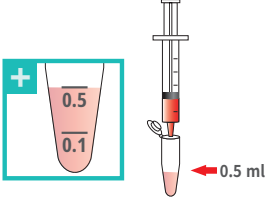
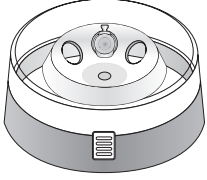
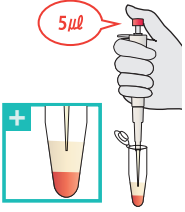
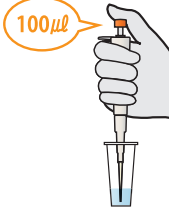
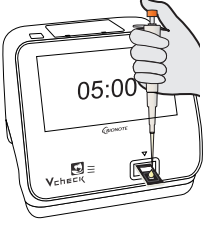
Vcheck D-dimer

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

<p>Sodium citrate</p>  <p>Sodium citrate</p> <p>Add sodium citrate 50 µl to a 1.5 ml tube</p>	<p>Whole blood</p>  <p>Add whole blood 450 µl to the line of 0.5 ml</p>	<p>Mix & Centrifuge</p>  <p>Mix the tube gently using a wrist snap making an 8-character shape. And centrifuge at 3,000 rpm for 15 min.</p>
<p>Dilute Sample</p>  <p>Draw plasma 5 µl and add it into an assay diluent tube</p>	<p>Mix</p>  <p>Mix well 5-6 times by using a 100 µl pipetting</p>	<p>Measure</p>  <p>Add all of mixture in the sample hole of the test device</p>

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



BioNote, Inc.
22 Samsung1ro 4-gil, Hwaseong-si, Gyeonggi-do 18449, Republic of Korea
TEL: 82-31-211-0516 | FAX : 82-31-8003-0618 | www.bionote.co.kr