



Vcheck D-dimer



Highly Sensitive Marker for Thromboembolism

Vcheck's D-dimer test identifies the presence of thromboembolism, providing accurate analysis and treatment. D-dimer is produced from the 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.

Clinical Applications

- A screening test for:
 - DIC (disseminated intravascular coagulation)
 - Acute thromboembolic disease
- Assessment of pulmonary thromboembolism
- Monitoring of antithrombotic therapy
- Prediction of survival prognosis after surgery

Specifications

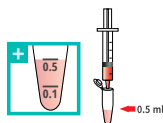
Species	Canine
Sample Type	Plasma (Sodium Citrate only) 5µl
Measurement	Quantitative
Range	0.1 - 10 µg/ml
Testing Time	5 minutes
Storage Condition	2 - 8° C

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.



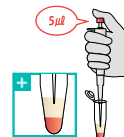
Whole blood

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].

Product Name

Vcheck D-dimer

Product Number

VCF107DD

Product Type

Device

Packing Unit

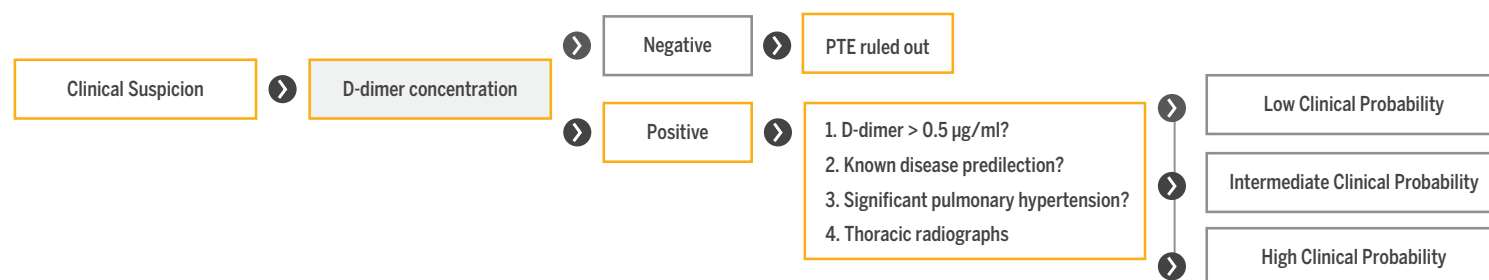
10 Tests/Kit

A Closer Look: D-dimer

The Bionote Vcheck D-dimer is an in vitro diagnostic test kit for the in-clinic, quantitative measurement of D-dimer concentration in canine plasma. Since the kit provides quantitative measurement of canine plasma D-dimer levels, it can be used with any dog as a diagnostic tool for canine thromboembolic disorders. Run Vcheck D-dimer every time you suspect a thromboembolic disease.

Algorithm for Pulmonary Thromboembolism (PTE) in dogs

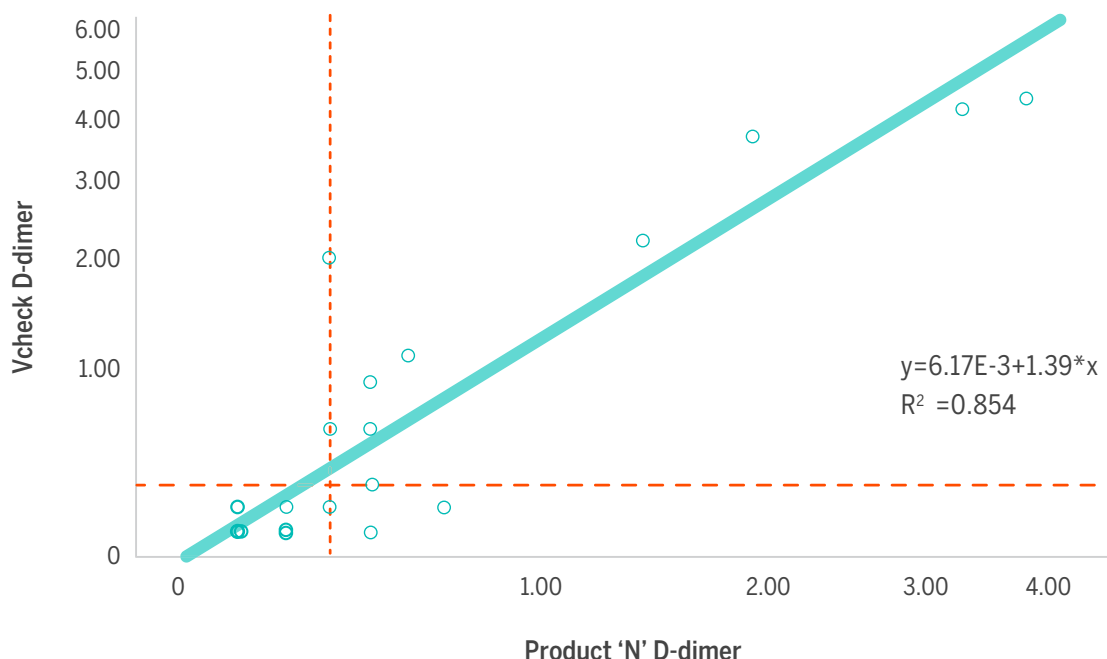
J Am Anim Hosp Assoc 2005;41:145-149.



Specific Clinical Application

In a performance analysis, the Vcheck D-dimer has an excellent clinical utility providing stronger correlation with clinical signs, as well as a high correlation with product 'N'.

Correlation with Product 'N' (n=49)



For More Information:
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More From Bionote Vcheck Analyzers

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

