



# 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

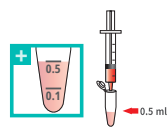
<b>Species</b>	Canine
<b>Sample Type</b>	Plasma (Sodium Citrate only) 5 $\mu$ l
<b>Measurement</b>	Quantitative
<b>Range</b>	0.1 - 10 $\mu$ g/ml
<b>Testing Time</b>	5 minutes
<b>Storage Condition</b>	2 - 8 $^{\circ}$ C

## Simple Testing Procedure



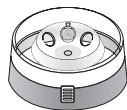
### Sodium citrate

Use a 50  $\mu$ l pipette to draw 50  $\mu$ l of sodium citrate and add it to a 1.5 ml tube.



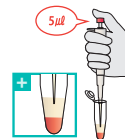
### Whole blood

Add 450  $\mu$ l 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  $\mu$ l pipette to draw 5  $\mu$ l of plasma and add it to the assay diluent tube.



### Mix

Use a 100  $\mu$ l 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

VCF107DC

### Product Type

Device

### Packing Unit

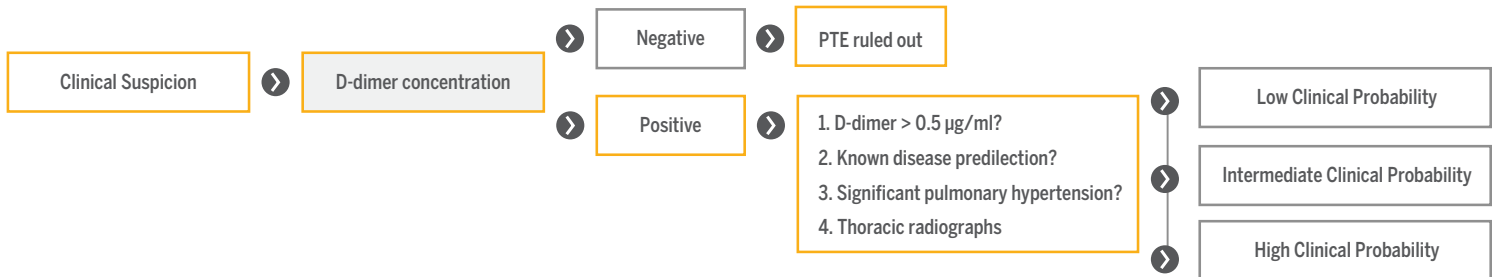
10 Tests/Kit

# 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.

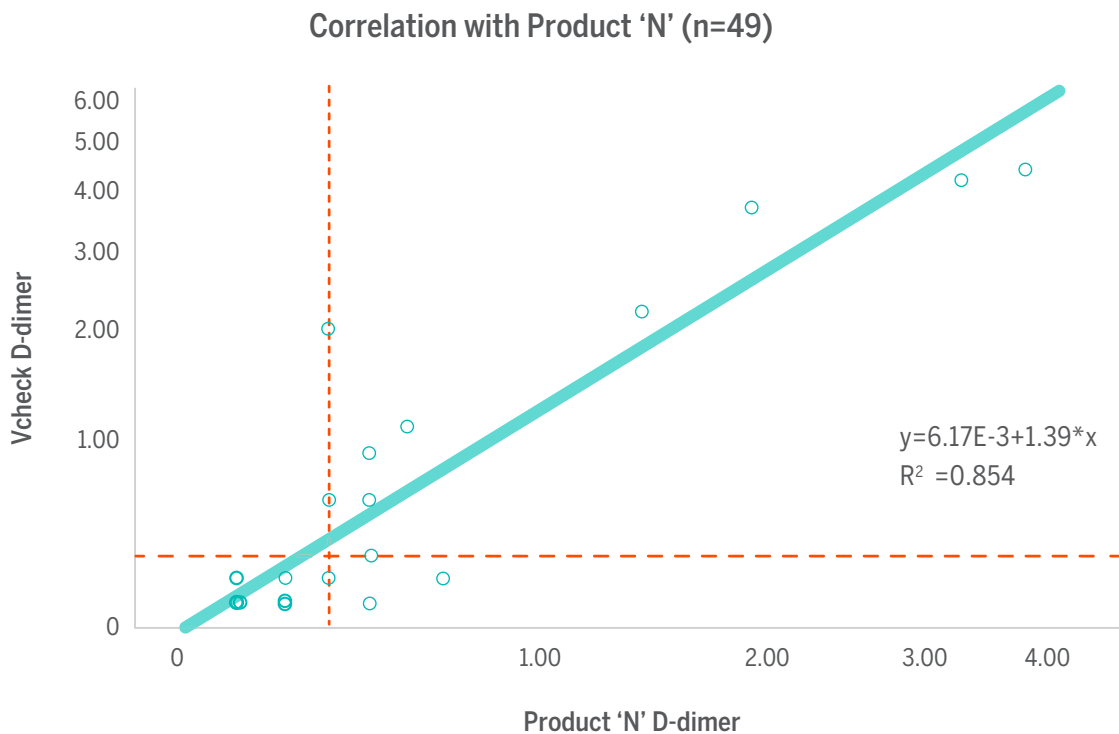
## Algorithm for Pulmonary Thromboembolism (PTE) in dogs

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.'



\*Internal Evaluation Data



For More Information on  
**Vcheck V200 or V2400**  
analyzers visit:  
[bionote.com](http://bionote.com)  
[customerservice@bionote.com](mailto:customerservice@bionote.com)  
800-727-5169

**LEARN MORE**  
about the D-dimer test

