



# von Willebrand Disease

von Willebrand Disease is the most common inherited disorder of haemostasis. It is a defect of primary haemostasis and has a high prevalence in some breeds, particularly Dobermans, but may be found in other breeds. von Willebrand factor is produced in endothelial cells and is used in the formation of the platelet plug. There are three types (I, II and III) with Type I being the most common.

## Genetic presentations of VWD

- Type I – Australian Terrier, Bernese Mountain Dog, Doberman, German Pinscher, Kerry Blue Terriers, Labradoodles, Manchester Terriers, Papillon, Standard Poodles, Welsh Corgis, White Swiss Shepherd breeds.
- Type II - German Shorthaired Pointers, German Wirehaired Pointers
- Type III – Scottish Terriers, Shetland Sheepdogs

## Collection protocol

Collect blood with a minimum of trauma so the coagulation cascade is not triggered, preferably from the jugular so a good flow is ensured. Fill the tube exactly to the level indicated on the blood tube.

## Special handling/shipping requirements

Deliver to the laboratory as soon as possible. If delivery will be delayed, spin to separate the plasma, and aspirate the plasma into a plastic or additive-free tube. Freeze the plasma, and deliver with ice bricks.



**Species:**  
Canine



**Specimen:**  
Whole blood



**Container:**  
Sodium Citrate