

## DNA TEST FOR VON WILLEBRAND DISEASE 1 (vWD)

**REGISTERED NAME:** VON PROTEAVILLE YAKOBI-BAERI VON KOPFREIN

**REGISTRATION NUMBER:** ZA001065C22

**MICROCHIP NUMBER:** 756093900080583

**LAB NUMBER:** U613270

**BREED:** BERNESE MOUNTAIN DOG

**GENDER:** M

**CLIENT NAME:** STREICH, A

**GENETIC TEST RESULT: CLEAR of VWF MUTATION**

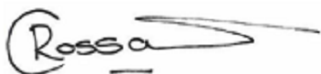
### TEST DESCRIPTION:

Von Willebrand's disease (vWD) is the most common inherited bleeding disorder in dogs. It is caused by a deficiency in the amount of a specific protein needed to help platelets stick together and form clots to seal broken blood vessels. The deficient protein is caused by a synonymous base substitution at nucleotide 7437 of the *VWF* gene, which decreases the effectiveness of a splice site. Many dogs with vWD never show outward evidence of having the disease. Others may spontaneously haemorrhage from the nose, vagina, urinary bladder, or oral mucous membranes. Prolonged bleeding after trauma or surgery is a common clinical finding, and bruising or bleeding after a surgical sterilization procedure (spaying or neutering) may be the first time any abnormality is noticed. Females may bleed excessively after giving birth. In affected dogs with uncontrollable bleeding, death may occur.

### BREEDING IMPLICATIONS OF TEST RESULT:

This canine has two copies of the normal allele for *VWF* and will neither develop nor pass on the mutation for von Willebrand's disease caused by the *VWF* mutation to its offspring.

Yours faithfully



C Rossouw  
Animal Genetics  
Division Manager  
Unistel Medical Laboratory

#### Disclaimer:

While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. Should gross negligence be proven the claim shall not exceed the value of the contract.