



GENETIC CERTIFICATE

Ms Therese BRATENES

Nedre Langgt 105
1743 Klavestadhaugen
NORWAY

Name : **Zidd av Triomar**

Breed : **Bernese Mountain Dog**

ID Number : **578 098 100 494 982**

Pedigree Number : **NO43824/15**

Gender : **Male**

Birth date : **20/05/2015**

Owner :

BRATENES Therese

1743 Klavestadhaugen (NO)

Customer Nb : C77418

Sample Number : **492 925** (Authenticated)

Sample type : Blood sample

Sample date : 24/05/2016

Request date : 31/05/2016

Sampler veterinarian :

MANDELIN Marianne Jensen

1514 MOSS (NO)

Official number : **9911**

File Nu. : 118 752

Animal Number : 139 896

Result code : 222050

Histiocytic Sarcoma (pre-test)

Result : **Index B**

Interpretation : Neutral index - not predictive of higher or lower risk of developing Histiocytic Sarcoma.

This genetic pre-test should be just one of the many selection criteria. It is important within a breeding population to give priority to individuals with the best index but is also of the utmost importance when selecting breeding pairs that sufficient genetic diversity is maintained in the breed.

Result established on 15/06/2016

Certificate issued on 15/06/2016

Lina Muselet
Genetics Engineer

Explanation

This genetic pre-test for Histiocytic Sarcoma is based on 9 genetic markers (Panel SH0912) identified from scientific research on Histiocytic Sarcoma on Bernese Mountain Dogs carried out by the Canine Genetics Team of the CNRS of Rennes, France. The methods used to calculate the genetic index were based on a population of 1081 European dogs, mainly from France. The pre-test for Histiocytic Sarcoma has three possible results expressed as an index: index A, the tested individuals have four times the chance of not developing Histiocytic Sarcoma ; index B means neutral index ; index C, the tested individuals have four times the risk of developing Histiocytic Sarcoma. This genetic pre-test is simply a probability test, and this must be clearly accepted by the user.

This genetic pre-test is designed solely to be a tool to help breeders in their breeding decisions. As a probability test, this genetic pre-test is subject to error and should not therefore be used, under no circumstances, as a commercial or advertising point by breeders.

The ANTAGENE laboratory will provide the necessary state-of-the-art technology to guarantee the reliability of its genetic test.