

Animal : **Terplinggaards Carlsen**

Identification No. :	208 250 000 178 110	Owner :	Ivy HANSEN
Breed :	Bernese Mountain Dog	Sample No. :	E00978399 (sampled on 23/11/2024)
Gender :	Male	Result code :	A00094032
Birth date:	07/05/2022	Sample type :	Blood
Pedigree :		Sampler :	Michael THORSEN (Veterinarian - Order No. : 2927)
			Sample authenticated
Result validated on :	12/12/2024	Document issued on :	12/12/2024

RISK FACTORS

	Expression mode	RESULT
Histiocytic Sarcoma	Polygenic and multifactorial	Index A

Index A: The tested dog has a four times lower risk of developing Histiocytic Sarcoma.

Index B: Neutral index - No higher or lower risk of developing Histiocytic Sarcoma.

Index C: The tested dog has a four times higher risk of developing Histiocytic Sarcoma. The risk of the markers associated with the disease is transmitted to offspring is greatly increased. An Index C dog with a number of other positive qualities should not be removed from the breeding programme, rather it is necessary to adapt its matings. It is recommended to use the HSIMS tools to assess the best partners.

Explanation

This genetic 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 breeding population.

This genetic test for Histiocytic Sarcoma is based on 9 genetic markers (Panel SH0912) identified from scientific research on Histiocytic Sarcoma in Bernese Mountain Dogs carried out by the Canine Genetics Team of the CNRS of Rennes, France. The methods used to calculate the index were based on a population of 1081 European dogs, mainly from France. The test for Histiocytic Sarcoma has three possible results: Index A: The individual tested has a four times lower risk of developing Histiocytic Sarcoma; Index B means no higher or lower risk; Index C: The individual tested has a four times higher risk of developing Histiocytic Sarcoma. This genetic test is simply a probability