

**David Matheson**

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United Kingdom



Lab.No:  
GS12 - D13884

**Pompe's disease (GSD II) test**

Name	Breed	Result
Lapptoppens Herax	Finnish Lapphund	<b>Normal</b>
Reg. No AP0902733		

**Test results are reported as follows:**

Glycogen storage disease type II is also known as acid maltase deficiency or generalized glycogenosis type II. Glycogen storage disease type II is a disorder of glycogen metabolism that affects Finnish Lapphund, Swedish Lapphund and Lapponian herder. The disease can manifest as vomiting, muscle weakness with exercise intolerance, and poor growth.

- Normal:** The dog carries two normal copies of the gene and has no or reduced likelihood of developing the disease during its life.
- Carrier:** The dog carries the mutation in one of its chromosomes and transfers it to approximately 50% of its offspring. If a carrier must be mated, it should only be with a genetically tested healthy non-carrier.
- Affected:** The dog carries two copies of the mutation and is at high risk of developing GSD II during its life. An affected animal, even if not yet showing symptoms, will pass on the mutation to all its offspring, and its use in breeding is not recommended.

On behalf of Genosoper Oy

Helsinki 18.12.2012

A blue ink handwritten signature, appearing to read "Heidi Karjalainen", written over a horizontal line.

Heidi Karjalainen

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Genoscooper aims to highest quality in the testing process to ensure correct results. Genoscooper warrants its test results to be accurate for the sample obtained from a animal specified in the confirmation of order, as identified by the information given by the owner of the animal. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. In no event shall Genoscooper be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within one year of the report of the test results. By paying the invoice the client understands and agrees these testing conditions.