

Exercise Induced Collapse (NEI)

Client Name:	Lauriaan Morton (LAU002)	Report No:	ZO2025/9673/20250804/#101091
Client Address:	Lauriaan Morton (LAU002) 23 Egret Street Welkom, Free State 9459 South Africa		
Phone:	0768783024		
Email:	lauriaan@vodamail.co.za		
Profile:	DG2025/93667	Species:	Canis lupus familiaris / Canine / Dog
Name:	Golden Starseed Blue (Mufasa)	Microchip #:	972274200143122
Breed:	Golden Retriever		
Test:	[NEI] Exercise Induced Collapse (NEI)		
Results:	c.767G>T	GG	CLEAR

Sample Type: Whole Blood (EDTA)	Extraction Method: DNA Extraction: D4069	Test Type: Genetic Health
[NEI] Exercise Induced Collapse (NEI)		
Exercise induced collapse (EIC) is the intolerance of strenuous exercise; characterized by a wobbly gait, muscle weakness, and the loss of hind limb control. EIC is most common in the Labrador Retriever, Chesapeake Bay Retriever, Curly-Coated Retriever, German Wirehaired Pointer, Spaniels and Pembroke Welsh Corgi.		
This test detects the substitution of a GTP for a TTP at c.767 G>T in the DNM1 gene characterised as the causal mutation of exercise induced collapse (EIC).		
Exercise induced collapse (EIC) is an autosomal recessive condition where two copies of the mutation are required for an individual to present with symptoms.		
References: Patterson et al 2008. A canine DNM1 mutation is highly associated with the syndrome of Exercise Induced Collapse. Nature Genetics, Vol 40 (10), pp1235â€“1239.		

It is the sender's responsibility to ensure the correctness of the information accompanying the samples. In no event shall Inqaba Biotechnical Industries (Pty) Ltd or its divisions be held liable for indirect, substantial or secondary damages of any kind. Results are usually made available within 7-14 days of receipt of samples. Please note that results are only released subject to payment.

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The DNA profile is based on a preliminary marker panel that is subject to modification pending additional genetic information.

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