



inqaba biotec™

inqaba biotec

P.O Box 14356  
Hatfield  
South Africa  
0028

Tel: 012 343 5829  
Fax: 012 343 0287  
e-mail: animalgenetics@inqababiotec.co.za  
Web: www.inqababiotec.co.za

Date: 2015/02/25

## REPORT: EXERCISE INDUCED COLLAPSE (EIC)

**Owner's name:** Annemarie Jansen van Vuuren

**Owner's address:** P.O Box 1144  
Fauna Park  
0787

**Owner's telephone number:** 082 827 8311

**Animal's name:** Bunnichem Jamandreu

**Breed:** Labrador

**Registration number:**

**Microchip number:** 900250000182450

**Sample sent:** Whole blood

**Tests performed:** Exercise induced collapse (EIC) mutation screening (DNM1 gene) G>T

**Result:** Animal is clear (Normal/Normal)

### Results obtained from testing:

The results indicated that the animal is homozygous (clear) and no causative mutation (G>T) is present.



Figure 1: Chromatogram illustrating the causative mutation

### Breeding implications:

A clear individual will not display the symptoms of the disease nor will it pass the mutant gene to any of its offspring. Table 1 illustrates the outcome of mating animals with different EIC statuses.

Table 1: Possible breeding outcomes when mating a normal dog to dogs with other statuses

Parent 1 genotype	Parent 2 genotype		
	Normal	Carrier	Affected
Normal	All normal	50% Normal 50% Carrier	All carriers

It is the sender's responsibility to ensure the correctness of the information accompanying the sent samples. Inqaba Biotechnical Industries (Pty) Ltd. warrants this test results to be accurate for the sample obtained from this dog as identified on this form. In no event shall Inqaba Biotechnical Industries (Pty) Ltd. be liable for indirect, substantial or secondary damages of any kind.