



PennGen Laboratories | School of Veterinary Medicine | University of Pennsylvania
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DNA Testing: Owner/Patient Report 7/13/2018

Submitter Information

Owner's Name L.M Marleen Endeman

Patient Information

Official Name	Le Petit Toreador Cleopatra	DOB	3/11/2018 (0 Years 4 Months)
Call Name	Cleopatra	Sex	Female (Intact)
Breed	French Bulldog	Microchip #	528140000718701
Registration #	3114407		

Testing Information

Submission ID	22356	Processed By	Dr. Paula Henthorn
Testing Date	7/13/2018	Test	Cystinuria-Associated Marker (Type 3)-DNA [Cheek brushes/swabs]

Result Information

Genotype 1-1 (Homozygous for Normal Markers)
Phenotype See Interpretation
Interpretation 1-1 (Homozygous Normal) dogs have two copies for the normal markers and NO COPIES of the markers associated with cystine stone formation in your dog's breed. A male dog with this result has the lowest risk for forming cystine stones. However, we have identified several 1-1 dogs with elevated urinary cystine levels putting them at risk for cystine stone formation. Therefore, we recommend annual urine nitroprusside test screening for intact male dogs starting between one and two years of age.

Sincerely,

Paula Henthorn, PhD
Professor of Medical Genetics

Michael Raducha, BS
Research Specialist