

# Early Detection Screening of Dogs for Bladder Cancer



## About the Clinical Trial

The NC State College of Veterinary Medicine, with the help of the University of Wisconsin-Madison School of Veterinary Medicine, is screening dogs for a bladder and prostate cancer called urothelial carcinoma or transitional cell carcinoma (UC/TCC). As part of this study, investigators will screen your dog's urine for a marker of UC/TCC using the CADET® *BRAF* Mutation Detection Assay.

If the marker is undetected, your participation in the study will end. If your dog tests positive, two options are possible:

1. You and your dog will be invited to either the NC State Veterinary Hospital or UW Veterinary Care for a comprehensive clinical evaluation.
2. Investigators will recommend follow up with your primary care veterinarian.

## Goal

The goal of this study is to show that the CADET® *BRAF* Mutation Detection Assay can be used to diagnose UC/TCC before dogs develop signs of bladder and prostate cancer. With early diagnosis, investigators hope to initiate treatment earlier to delay progression and improve survival of dogs with this devastating disease.

## Eligibility

- Your dog must be clinically healthy, with no signs of urinary tract infections
- Your dog must be at least 6 years old
- Your dog must be one of the following breeds: American Eskimo Dog, Beagle, Jack Russell Terrier, Scottish Terrier, Shetland Sheepdog, West Highland White Terrier
- You must be willing to participate in the study for 12 months

## How to Participate

To participate in this trial, you will be asked to do the following:

1. Collect a urine sample from your dog
2. Ship the sample to our laboratory using the self-addressed and postage-paid shipping containers.

## Incentives

- A free diagnostic test screening for UC/TCC.
- If invited to the NC State Veterinary Hospital or UW Veterinary Care, your dog will receive a complete exam including bloodwork, abdominal ultrasound of the urinary tract, and cystoscopy of the urinary tract at no cost to you.
- Dogs accepted into the study will also receive regular clinical follow-up for 12 months, at no cost to you.