

# CADET® BRAF testing

## - accurate canine bladder and prostate cancer test

CADET® BRAF evaluates urine samples from dogs for the presence of cells containing a mutation for canine bladder/prostate cancer (TCC/UC). It's cutting-edge technology that is accurate and convenient for both veterinarian and pet owner.

### Achieve accurate and early diagnosis of TCC/UC

CADET® BRAF is a highly sensitive test designed to monitor the b-raf mutation in TCC/UC cases during the course of their treatment, for therapeutic response and relapse. CADET® BRAF testing can be used for both the rapid, non-invasive assessment of dogs displaying clinical signs consistent with TCC/UC and for confirmed cases undergoing treatment.

### How CADET® BRAF is used in a clinical setting

CADET® BRAF evaluates free-catch urine samples from dogs for the presence of cells harbouring the BRAF mutation or specific copy number variations associated with TCC/UC. The assays identify 95% of TCC/UC cases. The extremely low limit of detection of 10 mutation-bearing cells in a urine sample allows early diagnosis of a developing TCC/UC, often several months before any advanced clinical signs associated with the cancer become evident.

### Clinical indications - when to use the CADET® BRAF and BRAF-PLUS

- Clinical cases presenting with haematuria, stranguria, and/or urinary incontinence with diagnostic imaging evidence of a mass in the bladder.
- During chemotherapy to monitor treatment success by decreased levels of b-raf mutation detection, or to monitor cancer relapse by re-occurrence of b-raf mutation tumour-bearing cells.
- Early diagnosis in clinical cases with recurrent, complicated or antibiotic-resistant urinary tract infections presenting with haematuria without ultrasonographic evidence of a bladder mass.
- Confirmation of the TCC/UC diagnosis of a bladder mass from a stained cytology slide following ultrasonography and cytological examination of a fine-needle aspirate from tumour-bearing cells.
- Early detection in high-risk dog breeds such as Terriers, Shetland and Australian sheep dogs, cattle dogs, Beagles and Border collies that are six years and older.

### Sample collection and handling

Species: Canine

Specimen: 40 mL free-catch urine collected in CADET BRAF container

Container: CADET BRAF container (obtain from laboratory, no charge)

Collection protocol: Urine must be placed in BRAF container within 15 minutes of collection and can be collected over multiple days

Special handling/shipping requirements: Do not freeze, store urine in BRAF container at room temperature. Complete the submission form provided and send all samples to your local laboratory for shipping overseas (**do not** complete forms on the Antech website).

Turn-around time: 10-14 days

Pricing: Please contact your local laboratory or check our latest price book.