

CADET® BRAF

SAMPLE REQUIRED: Special ANTECH urine container containing fixative

Test Description:

CADET® BRAF evaluates canine urine samples for the presence of cells containing a mutation for canine bladder/prostate cancer (Transitional cell carcinoma / Urothelial carcinoma). CADET® BRAF is a sensitive test designed to monitor the b-raf mutation in TCC/UC cases. CADET® BRAF testing can be used for both the non-invasive assessment of dogs displaying clinical signs consistent with TCC/UC and for confirmed cases undergoing treatment. The limit of detection of 10 mutation-bearing cells in a urine sample allows early diagnosis of a developing TCC/UC. Sensitivity of this assay is 85% and specificity is 99%.

CADET® BRAF-PLUS may additionally be indicated in dogs that present with clinical signs consistent with TCC/UC, but for which no BRAF mutation is detected. CADET® BRAF-PLUS detects more than 2/3 of the TCC/UC cases that are not identified by CADET® BRAF.

Clinical indications for CADET® BRAF and BRAF-PLUS

1. Clinical cases presenting with haematuria, stranguria, and/or urinary incontinence with imaging evidence of a mass in the bladder.
2. Early detection in high-risk dog breeds such as terriers, Shetland and Australian sheep dogs, cattle dogs, beagles, and border collies that are 6 years and older.
3. Early diagnosis in clinical cases with recurrent, complicated, or antibiotic-resistant urinary tract infections presenting with haematuria without ultrasonographic evidence of a bladder mass.

Collection Protocols:

A specific ANTECH urine collection container must be used and can be ordered by calling 02 9005 7468.

40 mL of free catch urine (not cystocentesis or catheterised urine) is to be collected and placed immediately in the special urine container. The urine sample can be collected over 3 days, and once the urine is mixed with the preservative solution, the sample is stable at room temperature for several days, provided the sample is stored out of direct sunlight.

ANTECH paperwork is included with the urine container and must be completed and returned with the sample.

Test Request:

On the Vetnostics General Request form, write BRAF (VBR) in the "Other test" area.

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