

Did you know?

Cancer detection and therapeutic monitoring are available in a blood test

TK CANINE CANCER PANEL

Clinical Lab Report *example*

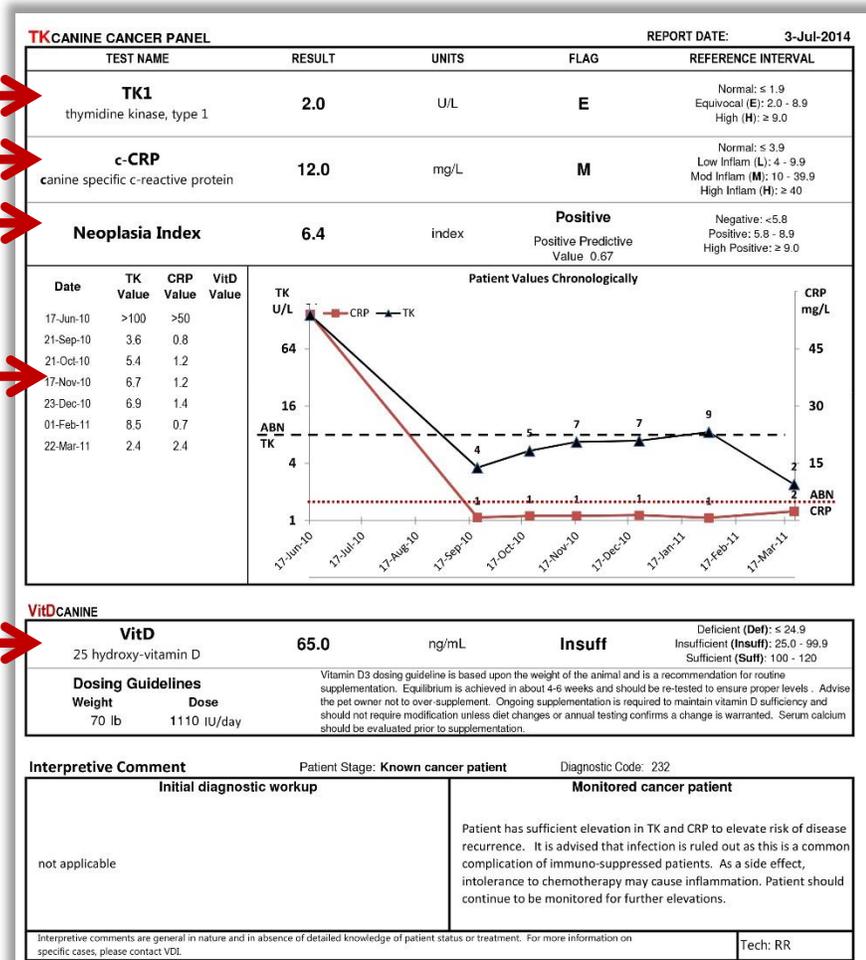
Thymidine Kinase Type 1 (TK1) →

Systemic Inflammation (CRP) →

Neoplasia Index (NI) →

Patient Monitoring →

Immune Support (VitD)* →



*Low levels of Vitamin D have been associated with cancer. Learn more about the importance of vitamin D as part of the Canine Cancer Panel at www.vdilab.com.

VDI Your Specialty Reference Lab

www.VDILab.com | (805) 577-6742

Detection & Therapeutic Management of Cancer

Clinical Background

TKCANINE CANCER PANEL

To be used to confirm the presence of neoplastic disease when a patient presents with a suspicious mass or other indicators common with cancer. Following a diagnosis of cancer, the test is used to monitor the effectiveness of treatment, and to verify remission status.

TKCANINE CANCER PANEL combines the information obtained from two independent measures of cellular irregularity; abnormal cell division and systemic inflammation. Thymidine kinase type 1 (TK1) is a measure of dysregulated cellular proliferation – a hallmark of cancer. C-reactive protein (CRP) is elevated in the presence of systemic inflammatory disease. United with the Neoplasia Index (NI) provides objective evaluation for disease.

Test Information:

- Sample Type: Serum >1mL
- Interferences: Gross lipemia
Gross hemolysis
- Stability: 4°C: 4 hours
-20°C: 1 month

Reference Ranges:

- TK1 (U/L):**
 - Normal ≤1.9
 - Equivocal 2.0 – 8.9
 - High ≥9.0
- c-CRP (mg/L):**
 - Normal ≤3.9
 - Low 4.0 – 9.9
 - Moderate 10.0 – 39.9
 - High ≥40
- NI (index):**
 - Negative ≤5.7
 - Positive 5.8 – 8.9
 - High Positive ≥9.0

Cancer Diagnosis

Utilize TK1 and CRP to confirm neoplastic disease

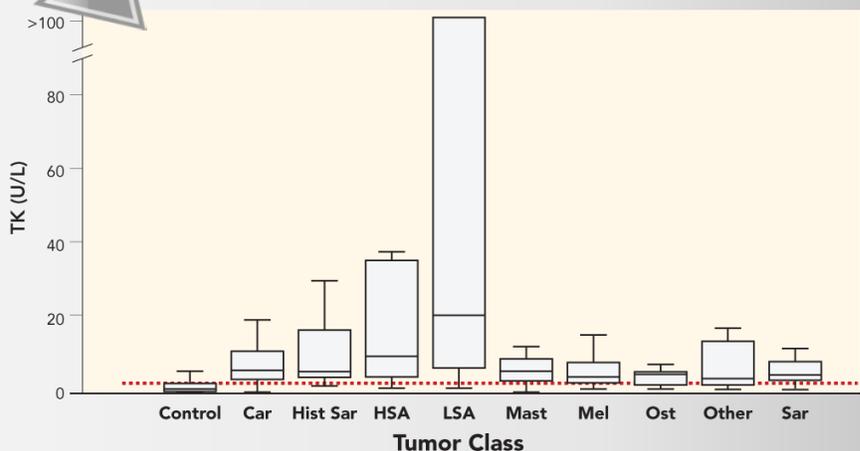


Challenging Diagnosis

Cancer is a common disease affecting dogs of all age, size & breed. Diagnosis can be challenging, invasive and expensive. Once diagnosed, veterinarians have had few tools available to effectively monitor the course of treatment or disease progression.

Non-invasive solution

Financial constraints and/or concerns over invasiveness of biopsy force many pet owners to seek alternative diagnostic options, or at least good *first-steps* prior to biopsy. One of the most affordable, non-invasive alternatives is blood work.

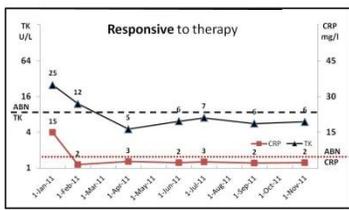


Clinically Effective

The cancer panel has been clinically proven effective on a **wide variety of neoplasias**, both hematological & solid tumors. When a dog presents with a suspicious mass or common signs of cancer, the panel is used to confirm the presence of neoplastic disease.

Therapeutic Monitoring

Track patients' response to treatment or disease progression



Response to Therapy

For patients undergoing surgical, chemo, radiation or targeted therapy, results from the cancer panel can quickly indicate that the patient is responding to the treatment protocol, as indicated when the values decline from the initial pretreatment assessment.

Remission Status / Disease Progression

Use the test as an objective measure of remission status following treatment. In the absence of treatment, the test is used to monitor disease progression.

