

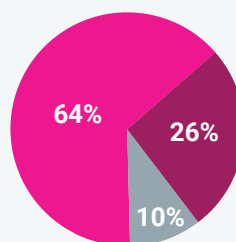
Key Takeaways

- In a real-world study of **1,500** consecutive blood samples prospectively submitted for commercial testing, the OncoK9 test was found to have sensitivity and specificity closely **mirroring the performance** established in the CANDiD clinical validation study.
- Among dogs with clinical outcome data available, patients with *Cancer Signal Detected* test results received a clinical cancer diagnosis in **nearly 90% of cases**.
- Most of these cases **achieved diagnostic resolution** within approximately 2 weeks, often using commonly available tools such as imaging or tissue sampling in combination with clinical examination and a routine minimum database.
- Diagnoses in screening patients included cancer types not commonly detected on a wellness exam in asymptomatic patients. This suggests that the **addition of liquid biopsy to routine wellness visits** may help to expand the number of cancer cases, and the range of cancer types, that can be detected preclinically (when patients are still asymptomatic).
- There were **no reported adverse events** in connection with OncoK9 testing. Additionally, there were no reported adverse events from the confirmatory cancer evaluation when OncoK9 was run as a screening test.

How are veterinarians using OncoK9?

64% of tests were submitted for screening

26% of tests were submitted for aid-in-diagnosis



- Screening (n=910)
- Aid-in-Diagnosis (n=366)
- Other (n=143)

Which cancer types were detected preclinically with OncoK9 Screening?

Many of these cancer types would not be commonly expected to be detected in an asymptomatic patient on wellness exam alone (**highlighted in bold**).

- **Abdominal cavity**
- **Acute lymphoid leukemia with splenic involvement**
- Anal sac adenocarcinoma
- **Brain tumor**
- **Hemangiosarcoma (cardiac + splenic)**
- **Hemangiosarcoma (splenic)**
- **Histiocytic sarcoma (pulmonary)**
- **Liver**
- **Liver + intestinal tumors**
- **Lung (metastatic nodules)**
- Lymphoma (multicentric LNs)
- **Lymphoma (splenic)**
- Mast cell tumor
- Soft tissue sarcoma (intramuscular)
- **Spleen**
- **Spleen + liver**

How was diagnostic resolution achieved?

Diagnostic resolution was typically achieved with in-house capabilities. A confirmatory cancer evaluation following a *Cancer Signal Detected* result usually revealed a cancer diagnosis within approximately **two weeks**.



Exam



Laboratory



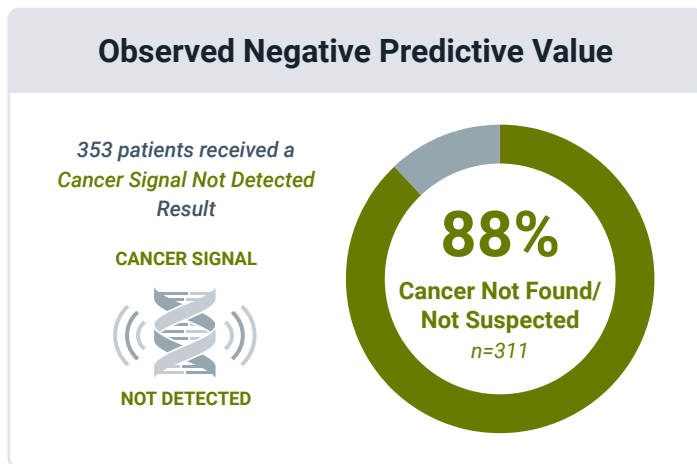
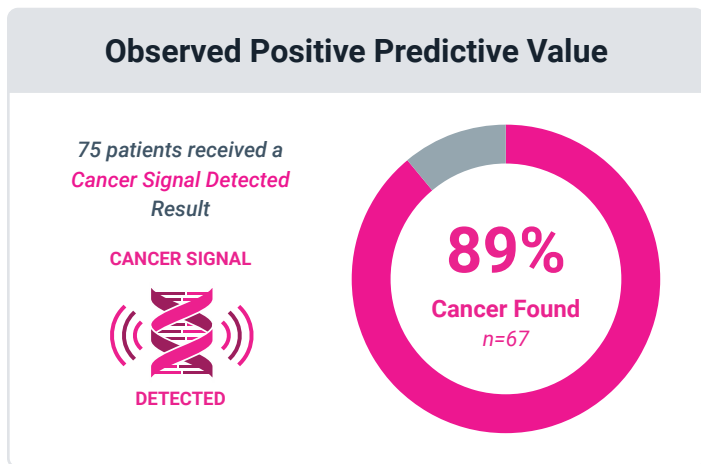
Imaging



Sampling

Confidence in OncoK9 Results

In patients with available clinical outcomes, cancer was found in about **90%** of cases after *Cancer Signal Detected* results and was not found in about **90%** of cases after *Cancer Signal Not Detected* results.



Observed sensitivity and specificity *closely mirrored* the performance established in the **OncoK9 clinical validation study (CANDiD Study)**



Read the CANDiD Study
Scan the QR code or visit:
petdx.science/candid-study

Performance in Overall Patient Cohort with Clinical Outcome Data (n=428)

Overall (n=428)		Cancer Status		
		Present (n=109)	Absent (n=319)	
OncoK9 Result	<i>Cancer Signal Detected</i> (n=75)	True Positives 67	False Positives 8	Relative Observed PPV 89.3% (95% CI: 79.5 – 95.0%)
	<i>Cancer Signal Not Detected</i> (n=353)	False Negatives 42	True Negatives* 311	Relative Observed NPV 88.1% (95% CI: 84.2 – 91.2%)
		Relative Observed Sensitivity 61.5% (95% CI: 51.6 – 70.5%)	Relative Observed Specificity 97.5% (95% CI: 94.9 – 98.8%)	
		CANDiD Study 54.7% (95% CI: 49.3 – 60.0%)	CANDiD Study 98.5% (95% CI: 97.0 – 99.3%)	

Thirty-seven additional test results (20 negative, 9 positive, 5 indeterminate, 3 failure) had outcome data provided, but could not be assigned to the 2x2 table; for the positive or negative results, these included cases where the confirmatory cancer evaluations were incomplete or in progress, and cases that were lost to follow-up (or euthanized) with limited or no workup performed.

TP = 39 presumptive, 28 definitive | FN = 16 presumptive, 26 definitive | *Assumed true negatives based on the available data at the time of outcome collection