

ONCOPET DIAGNOSTICS INC.

Introducing OncoPet RECAF™ **Universal Cancer Test for Dogs**

Dear Colleague:

Serum markers are extensively used in humans (PSA, CEA, CA125, etc.) We would like to introduce to the veterinary community the first cancer marker test for dogs: OncoPet RECAF™ *Cancer Test*.

As we all know, early detection is one of the most important tools in the fight against cancer. To this end, OncoPet has developed a rapid cancer test for dogs. This test detects 85% of all canine cancers, at a 95% specificity level. The test is done on a simple serum specimen that can be sent to our testing facilities and reported to you within 3-4 business days after receiving the sample.

The OncoPet RECAF™ test detects a cancer biomarker called RECAF™, a molecule present on cancer cells but not detected in significant levels on healthy cells or benign tumor cells. Expression of RECAF is related to rapid cell growth, characteristic of cancer growth. The OncoPet RECAF™ test relies on the elevation of the RECAF™ biomarker in the serum of suspected cancer patients, as explained in more detail in the attached brochure.

Enclosed in the collection kit envelope you will find instructions and the necessary materials to ship one serum sample at a 50% discount rate. The small tube for shipping the serum contains a preservative to ensure the stability of the sample for 10 days at room temperature.

Contact us for further information and to order more collection kits at 604-207-9150 or visit our website at: <http://www.oncopet.com>

Yours sincerely,

Dr. Rafael Moro

REFERENCES:

- Tcherkassova J, Abramovich C, Moro R, Chen C, Schmit R, Gerber A, Moro R. Combination of CA125 and RECAF biomarkers for early detection of ovarian cancer. *Tumour Biol.* 2011 Aug;32(4):831-8.
- Mizejewski GJ. Review of the putative cell-surface receptors for alpha-fetoprotein: identification of a candidate receptor protein family. *Tumour Biol.* 2011 Apr;32(2):241-58.
- Moro R, Tcherkassova J, Song E, Shen G, Moro R, Schmid R, Hu X, Kummer A, Chen C (2005) A new broad-spectrum cancer marker. *In-Vitro Diagnostic Technology.*
- Moro R, Tamaaki T, Wegmann TG, Longenecker BM, Laderoute MP. Monoclonal antibodies directed against a widespread oncofetal antigen: the alpha-fetoprotein receptor. *Tumour Biol.* 1993;14:116-30.



FREQUENTLY ASKED QUESTIONS:

Q: Will the OncoPet RECAF™ test tell me if a dog has cancer and how advanced it is?

A: The OncoPet RECAF™ test provides an indication of the likelihood (with a 90-95% confidence level) if the patient has a malignancy. The test does not provide information regarding the type of cancer or at what stage the cancer is at or if it has metastasized.

Q: Where can my dog get an OncoPet RECAF™ test done?

A: Currently from anywhere in North America, Europe and Taiwan. The veterinarian takes a serum sample from the dog, sends it to our laboratory, where it will be processed. All tests can be ordered on line. We report the results back by email within 72 hours of receiving the sample.

Q: How often should a dog have an OncoPet RECAF™ test done? Every 6 months?

A: The frequency for which you would consider an OncoPet RECAF™ test is dependent on several factors. Older dogs should be tested more frequently than younger dogs. Most veterinarians advocate wellness checks for older dogs every nine to twelve months as well as in those breeds more prone to cancer. Our recommendation is to have an OncoPet RECAF™ test done with each wellness test.

Q: Will the OncoPet RECAF™ test work for my dog's specific breed?

A: Yes. Results indicate that the OncoPet RECAF™ test is not "breed" specific and can be used for all dogs, both pedigree and mixed breeds.

Q: How do we send a sample?

A: Read the attached instructions or contact us directly by phone at 604-207-9150.

Q: How should the dog be prepared for the OncoPet RECAF™ test?

A: There are no special requirements.

Q: If a dog is on medication will it interfere with the OncoPet RECAF™ test?

A: While this has not yet been determined, there is a potential that some medications may interfere with the results of the test. It is strongly recommended that the veterinarian advises us if there are any therapeutic medications, radiation or chemotherapy being administered to the dog when placing the order.

Q: Are there any specific medical conditions that interfere with the OncoPet RECAF™ test?

A: Benign tumors may sometimes test positive. It is uncertain at this point whether these are simply false positives or if the tumor is in the process of becoming malignant and the expression of the OncoPet RECAF™ marker appears earlier than the morphological changes that a pathologist recognizes as cancer. In addition, acute infections may also produce false positives. We recommend postponing the OncoPet RECAF™ test until the acute process has passed.

Q: Does spaying or neutering affect the results of the OncoPet RECAF™ test?

A: There is no evidence to support this conclusion.

Q: What type(s) of cancer does the OncoPet RECAF™ test detect?

A: The OncoPet RECAF™ test detects the most common types of cancers.

Q: How long does it take to get the results back from the OncoPet RECAF™ test?

A: Approximately one week depending on your location.

Q: Where can I read more about the RECAF™ technology?

A: Please visit our website where you will find a full explanation of our RECAF

Order for canine RECAF™ test.

OncoPet RECAF™ Test



Please note: Results WILL NOT be released if information is incomplete.

BLOOD SPECIMEN DRAWN Date (Month/Day/Year) ____/____/____ Time ____

Test is requested as an aid for cancer Diagnosis, Follow-up, Screening, Research

VETERINARIAN INFORMATION

Name (Last, First, Middle) _____

Clinic Name _____

Street _____ City _____

State/Province _____ Zip/Postal Code _____ Country _____

Please enter e-mail address or fax number for reporting of test results:

Telephone _____ E-MAIL: _____ FAX: _____

METHOD OF PAYMENT

CHECK: Please enclose check made out to OncoPet Diagnostics Inc.

Receipt for payment requested: Yes _____ No _____

CAREGIVER INFORMATION: Name (Last, First, Middle) _____

DOG INFORMATION: Name/ID: _____ Sex/Neutered or Spayed: ____/____ Age: ____ Breed: _____

HISTORY: _____

BAR CODE # on the Screw Cap Tube: _____ (Required)

DECLARATION TO BE READ AND SIGNED BY THE VETERINARIAN

I understand and I have explained to the animal caregiver that the OncoPet RECAF™ Test is not by itself diagnostic of the presence or absence of cancer, and that its results can only be assessed as an aid to diagnosis, detection, monitoring or screening of disease in relation to the history, medical signs and symptoms and the overall patient condition.

Veterinarian signature: _____

Notes: The sample will not be processed unless the signature is present. Results may only be released to the requisitioning veterinarian.

SERUM SAMPLE INSTRUCTIONS: REFER TO INSERTED DOCUMENT

Thank you for your order. OncoPet Diagnostics Inc. Visit us at www.oncopetdiagnostics.com

ONCOPET™ DIAGNOSTICS INC.

Instructions for collection of blood samples and shipment of serum specimens to OncoPet™ Diagnostics for performing the OncoPet™ RECAF™ test.

USE:

The serum extraction kit enclosed in the envelope enclosed is intended for testing dogs for cancer using the OncoPet™ RECAF™ test.

KIT CONTENTS:

PRINTED MATTER:

- a) This document.
- b) Material Safety Data Sheet (MSDS) for the materials described below.
- c) A pre-addressed return envelope to OncoPet™ Diagnostics.

MATERIALS:

- d) SST (Serum Separator Tube) Vacutainer® to centrifuge the blood and collect the serum remaining above the separator.
- e) Screw cap tube with a bar code identifying label. *This tube contains 0.5 mg of Sodium Azide dried or in the form of a droplet to prevent microbial growth during transportation. Please read the MSDS.*
- f) Plastic bag for which the screw cap tube will be inserted for shipping.

PROCEDURE:

- 1) Withdraw a minimum of 3mL of blood using a syringe and expel the blood in the SST or draw the blood in the SST directly.
- 2) Invert the SST 5 times, allowing a clotting time of **a minimum of 1 hour** at room temperature (clotting times of less than 1 hour may influence the results).
- 3) Centrifuge the SST for 10 minutes at 1,000-1,300 RCF (g's) no later than 2 hours after collection.
- 4) Transfer 1mL of serum to the screw cap tube with the bar code. Close tightly.
- 5) Log into oncopetdiagnostics.com and click on *Order Test* (at the first log in, you are required to provide your clinic's information; thereafter orders may be placed directly).
- 6) Fill in the order form completely following the instructions. The voucher number corresponds to the number in the bar code printed on the blue cap tube (there is a copy on the outside envelope as well). Print 2 copies of the order form. One copy should be retained for your own records, the other one is to be shipped with the sample.
- 7) Write your return address on the return envelope and insert the following:
 - a. Screw cap tube with the serum sample inside the plastic bag.
 - b. Order form.
 - c. MSDS provided.
- 8) Add the necessary stamps to mail the envelope to our facilities and send by regular.


IMPORTANT INFORMATION:

- A return envelope should contain only ONE sample. If you expect to request many studies a day, please contact us to discuss shipment of samples in bulk.
- Samples arriving to our lab after 15 days of the shipping date will not be processed without direct consultation with you.
- Placing the order online allows us to work on a closed loop and thus contact you if the sample does not reach us within a reasonable time.
- Samples may be stored in the refrigerator for a few days or in a freezer for several weeks prior to shipment at room temperature.
- If there are any problems with the materials contained in the extraction kit envelope please contact us immediately for replacements.
- Payment includes the extraction kit as well as the test. Under normal circumstances, the results will be e-mailed to the address specified in your order within 3 business days of receiving the sample.
- If the result of the OncoPet™ RECAF™ test does not coincide with the pathology report, a new serum extraction kit and the corresponding OncoPet™ RECAF™ test will be provided at no cost.

DISCLAIMERS: Please see our legal disclaimers on our web page at <http://www.oncopetdiagnostics.com/disclaimers.php>

USPS® CUSTOMS DECLARATION PROCEDURE:

- Below find a description of how to fill out the USPS® CN 22 that you will be required to fill out at the post office upon mailing your sample to Canada.



LC044780248US

USPS® Customs Declaration – CN 22
IMPORTANT: The item/parcel may be opened officially. See Privacy Notice on reverse of Sender's Instructions page. Please print in English and press firmly; you are making multiple copies

<input type="checkbox"/> Documents <input type="checkbox"/> Commercial sample <input checked="" type="checkbox"/> Other <u>SAMPLE FOR TESTING</u>		<input type="checkbox"/> Merchandise <input type="checkbox"/> Gift Country of Origin of Goods <u>USA</u>	
Detailed description of contents (1)	Qty. (2)	Weight (3) lb. oz.	Value (4) (US \$)
<u>ICC CANINE</u>	<u>1</u>		<u>\$1.00</u>
<u>SERUM SAMPLE</u>			
<u>FOR TESTING</u>			
Totals (6)			
		\$	

Exemption/Exclusion Legend (7)
 (Check one of the following)
 NOEEI § 30.37(a)
 NOEEI § 30.37(h)

I certify the particulars given in this customs declaration are correct. This item does not contain any dangerous article, or articles prohibited by legislation or by postal or customs regulations. I have met all applicable export filing requirements under the Foreign Trade Regulations.

Sender's Signature and Date (8)

YOUR SIGNATURE DATE

From: YOUR CLINIC
YOUR ADDRESS
USA

To: ONCOPET DIAGNOSTICS
215 - 7080 RIVER ROAD
RICHMOND, B.C. V6X 1X5
CANADA

PS Form 2976, December 2009 PSN 7530-01-000-9833

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