



BC Cancer Agency
CARE & RESEARCH
An Agency of the Provincial Health Services Authority

Addressograph

Cancer genetics laboratory phone 604-877-6000 #2084

KRAS TEST REQUEST FOR METASTATIC COLORECTAL CANCER

Please complete all areas legibly and then fax this form to the originating hospital laboratory.

Patient Name (last, first): _____ PHN: _____

Date of Birth(dd/mm/yy): _____ Sex M F BCCA patient Y N

BCCA No.: _____

Requesting Physician: _____

Request Date: _____

Physician Phone #: _____

Physician Signature: _____

Physician Fax # _____

Originating Hospital: _____ Path. Specimen #: _____

This patient has received the following chemotherapy (please check all that apply, see notes)

- Irinotecan (eg FOLFIRI regime)
- Oxaliplatin (eg FOLFOX regime)
- Consented for CRC tumour bank

Patient consent for tissue acquisition

I, instruct the laboratory holding my colorectal tissue block(s) to forward a representative tissue block to the PHSA-BCCA laboratory for KRAS testing. I consent to have core specimens removed from the block for this testing. Although it is unlikely that the tumour in the block(s) would be exhausted, I understand that if this does occur, further testing may not be possible on the block(s) submitted. I understand this test will not require any further surgery or biopsy.

Signed.....

Witness to signature:-date.....

Instructions to the originating hospital laboratory

A representative block of the primary tumour or metastatic tumour can be submitted, providing it shows viable neoplasm (at least 8 mm of tissue) with little or no necrosis, primary resection tissue is preferred as biopsies are usually too small. A pathologist must ensure that a representative tumour block is sent for this testing. For further information please call the cancer genetics lab 604-877-6000 #2084

Formalin fixed, paraffin embedded blocks are requested because the KRAS testing requires a sample of relatively pure tumour DNA. This cannot be extracted from sections and must be taken from a 2mm core of the paraffin block after the H&E slide has been examined and an area identified by a BCCA pathologist. When testing is complete the block will be returned to the originating hospital, the block will have two x 2mm diameter holes in it.

If it is necessary that a BCCA pathologist select the block(s) then please submit a copy of the pathology report and all H&E slides.

Or

Please submit a copy of the pathology report and selected block(s)

Please send to :-

**Pathology Office - Room 3225
BC Cancer Agency
600 West 10th Avenue
Vancouver, BC V5Z 4E6**

INSTRUCTION TO PHYSICIANS

How to request KRAS testing and tissue blocks for patients with Metastatic Colorectal Cancer.

Please note that testing will **only** be performed on patients with **metastatic colorectal cancer**. Do not refer patients without metastatic disease or non-Colorectal Cancers.

Important Notes

The availability of this test is to determine whether a patient is eligible for treatment with either Cetuximab or Panitumumab. BCCA has mandated the use of these therapeutic agents with specific requirements. These treatments are only available to patients who have failed chemotherapy with Oxaliplatin (eg FOLFOX) AND the Irinotecan (eg FOLFIRI) regimes. **The KRAS test can be performed after failure of EITHER of these regimes. Initiation of treatment with Cetuximab or Panitumumab cannot be initiated until both regimes have failed as per BCCA protocol.**

Step 1.

Use the **BC Cancer Agency KRAS Test Request Form** to request blocks and H&E slides from the originating hospital.

1.1 Fill out requesting physician information and ensure that the patient signs the consent portion, **this should then be witnessed by a third person.**

1.2 Fill out the originating hospital name and the path specimen number, **then fax the form to the originating hospital (the hospital at which the primary tumour was resected).**

Note that failure to fill the form out completely or if the fax is of poor quality it will delay testing

Step 2.

The originating hospital will then check the appropriate box and send the form with the appropriate slides and/or blocks and a copy of the pathology report to BCCA.

Step 3.

If the upper box is checked then a BCCA pathologist will examine the report and slides and select a suitable sample. The pathology office will then request this block from the originating hospital for coring. If the lower box is checked then testing will be done after review of the submitted material.

For further information please call the cancer genetics lab 604-877-6000 #2084