

**Reporting Title: KRAS Somatic Mutation Analysis****Performing Location: Rochester****Necessary Information:**

Pathology report (final or preliminary) must accompany specimen in order for testing to be performed. At minimum, it should contain the following information:

1. Patient name
2. Block number-must be on all blocks, slides and paperwork (can be handwritten on the paperwork)
3. Tissue collection date
4. Source of the tissue

**Specimen Requirements:**

Preferred:

Specimen Type: Tissue

Container/Tube: Tissue block

Collection Instructions: Submit a formalin-fixed, paraffin-embedded tissue block.

Acceptable:

Specimen Type: Tissue

Container/Tube: Slides

Specimen Volume: 1 stained and 5 unstained

Collection Instructions: Submit 1 slide stained with hematoxylin and eosin and 5 unstained, nonbaked slides with 5-micron thick sections of the tumor tissue.

Specimen Type: Cytology slide (direct smears or ThinPrep)

Slides: 1 to 3 slides

Collection Instructions: Submit 1 to 3 slides stained and coverslipped with a preferred total of 5000 nucleated cells or a minimum of at least 3000 nucleated cells.

Note: Glass coverslips are preferred; plastic coverslips are acceptable but will result in longer turnaround times.

Additional Information: Cytology slides will not be returned.

**Specimen Minimum Volume:**

Formalin-fixed, paraffin-embedded (FFPE) tissue block (preferred) or 1 slide stained with hematoxylin and eosin and 5 unstained, nonbaked slides (5-microns thick sections) of the tumor tissue.

**Forms:**

1. Molecular Genetics: Inherited Cancer Syndromes Patient Information (T519) in Special Instructions.
2. If not ordering electronically, complete, print, and send a Oncology Test Request (T729) with the specimen.

Specimen Type	Temperature	Time	Special Container
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Varies	Ambient (preferred)	
	Refrigerated	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
610680	Result Summary	Alphanumeric		50397-9
610681	Result	Alphanumeric		82939-0
610682	Interpretation	Alphanumeric		69047-9
610683	Specimen	Alphanumeric		31208-2
610684	Source	Alphanumeric		31208-2
610685	Tissue ID	Alphanumeric		80398-1
610686	Released By	Alphanumeric		18771-6
610687	Method	Alphanumeric		85069-3
610688	Disclaimer	Alphanumeric		62364-5
614165	Additional Information	Alphanumeric		48767-8

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

81275-KRAS (v-Ki-ras2 Kirsten rat sarcoma viral oncogene) (eg, carcinoma) gene analysis, variants in codons 12 and 13

81276-KRAS additional variant(s)

88381-Microdissection, manual

**Reflex Tests:**

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
SLIRV	Slide Review in MG			Yes	No (Bill Only)

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**Reference Values:**

An interpretive report will be provided.