

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.

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 |
|---------------|---------------------|------|-------------------|
| 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 | Available Separately |
|---------|--------------------|-----------|----------|------------------|----------------------|
| SLIRV   | Slide Review in MG | 1         | 88381    | Yes              | No, (Bill Only)      |

Reference Values:

An interpretive report will be provided.