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**Reporting Title:** MayoComplete Sarcoma Panel

**Performing Location:** Rochester

**Ordering Guidance:**

Multiple oncology (cancer) gene panels are available. For more information see [Hematology, Oncology, and Hereditary Test Selection Guide](#).

**Necessary Information:**

**A pathology report** (final or preliminary), at minimum containing the following information, **must accompany specimen for testing to be performed:**

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:**

**This assay requires at least 20% tumor nuclei.**

- Preferred amount of tumor area with sufficient percent tumor nuclei: tissue 360 mm(2)
- Minimum amount of tumor area: tissue 72 mm(2)
- These amounts are cumulative over up to 15 unstained slides and must have adequate percent tumor nuclei.
- Tissue fixation: 10% neutral buffered formalin, not decalcified
- For specimen preparation guidance, see [Tissue Requirement for Solid Tumor Next-Generation Sequencing](#). In this document, the sizes are given as 4 mm x 4 mm x 10 slides as preferred: approximate/equivalent to 144 mm(2) and the minimum as 3 mm x 1 mm x 10 slides: approximate/equivalent to 36 mm(2).

**Preferred:**

**Specimen Type:** Tissue block

**Collection Instructions:** Submit a formalin-fixed, paraffin-embedded tissue block with acceptable amount of tumor tissue.

**Acceptable:**

**Specimen Type:** Tissue slides

**Slides:** 1 Stained and 15 unstained

**Collection Instructions:** Submit 1 slide stained with hematoxylin and eosin and 15 unstained, nonbaked slides with 5-micron thick sections of the tumor tissue.

**Note:** The total amount of required tumor nuclei can be obtained by scraping up to 15 slides from the same block.

**Additional Information:** Unused unstained slides will not be returned.

**Specimen Type:** Cytology slides (direct smears or ThinPrep)

**Slides:** 2 to 4 Slides

**Collection Instructions:** Submit 2 to 4 slides stained and coverslipped with a preferred total of 10,000 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:**  
[If not ordering electronically, complete, print, and send an 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®  |
|-----------|------------------------|--------------|------|---------|
| 617849    | Result                 | Alphanumeric |      | 82939-0 |
| 617850    | Interpretation         | Alphanumeric |      | 69047-9 |
| 617851    | Additional Information | Alphanumeric |      | 48767-8 |
| 617852    | Specimen               | Alphanumeric |      | 31208-2 |
| 617853    | Tissue ID              | Alphanumeric |      | 80398-1 |
| 617854    | Method                 | Alphanumeric |      | 85069-3 |
| 617855    | Disclaimer             | Alphanumeric |      | 62364-5 |
| 617856    | Released By            | Alphanumeric |      | 18771-6 |

LOINC® and CPT codes are provided by the performing laboratory.

**Supplemental Report:**  
No

**CPT Code Information:**  
81457

**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.