

---

**Reporting Title:** MayoComplete Solid Tumor 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:**

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
5. Pathologic diagnosis (final or preliminary)

**Specimen Requirements:**

**This assay requires at least 20% tumor nuclei. However, 40% tumor is preferred.**

- Preferred amount of tumor area: 720 mm(2) tissue on up to 20 unstained slides
- Minimum amount of tumor area: 192 mm(2) tissue on up to 20 unstained slides
- Tissue fixation: 10% neutral buffered formalin, not decalcified
- For this test, at least 6 mm x 6 mm areas on 20 unstained slides is preferred: this is approximately equivalent to 720 mm(2). The minimum acceptable area is 3.1 mm x 3.1 mm on 20 unstained slides: approximately equivalent to 192 mm(2).

**Preferred:**

**Specimen Type:** Tissue block

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

**Acceptable:**

**Specimen Type:** Tissue slide

**Slides:** 1 stained and 20 unstained

**Collection Instructions:** Submit 1 hematoxylin and eosin (H and E) stained slide and 20 unstained, nonbaked 5-micron thick sections

**Note:** The total amount of required tumor can be obtained by scraping up to 20 slides from the same block.

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

**Slides:** 2 to 6 slides

**Collection Instructions:** Submit 2 to 6 stained and coverslipped slides with a preferred total of 10,000 nucleated cells or a minimum of at least 6000 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. An image of the slides will be stored per regulatory requirements.

# Test Definition: MCSTP

MayoComplete Solid Tumor Panel,  
Next-Generation Sequencing, Tumor

**Forms:**

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®
610425	Result	Alphanumeric		82939-0
610426	Interpretation	Alphanumeric		69047-9
610427	Additional Information	Alphanumeric		48767-8
610428	Clinical Trials	Alphanumeric		82786-5
610429	Variants of Uncertain Significance	Alphanumeric		93367-1
610430	Specimen	Alphanumeric		31208-2
610431	Tissue ID	Alphanumeric		80398-1
610432	Method	Alphanumeric		85069-3
610433	Disclaimer	Alphanumeric		62364-5
610434	Released By	Alphanumeric		18771-6

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

**Supplemental Report:**

Supplemental

**CPT Code Information:**

81459  
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.