
Reporting Title: MayoComplete Solid Tumor Panel

Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

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
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: Submit 3, if available, or 2 of the following specimens.

Acceptable: Submit **at least one** of the following specimens.

Specimen Type: Tissue block

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

Specimen Type: Tissue slide

Slides: 1 Hematoxylin and eosin-stained and 20 unstained

Collection Instructions:

Submit the followings slides:

1 Slide stained with hematoxylin and eosin

AND

20 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 20 slides from the same block.

Additional Information: Unused unstained slides will not be returned.

Specimen Type: Cytology slide (direct smears or ThinPrep)

Slides: 2 to 6 Slides

Collection Instructions: Submit 2 to 6 slides stained and coverslipped with a total of 5000 nucleated cells (preferred) or

Test Definition: MCSTP

MayoComplete Solid Tumor Panel,
Next-Generation Sequencing, Tumor

at least 3000 nucleated cells (minimum).

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.

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.

Test Definition: MCSTP

MayoComplete Solid Tumor Panel,
Next-Generation Sequencing, Tumor
