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**Reporting Title:** TERT Promoter Analysis ddPCR, Tumor**Performing Location:** Rochester**Ordering Guidance:**

For the preferred test to assess for somatic hotspot mutations in the TERT, IDH1, and IDH2 genes, order IDTRT / IDH1, IDH2 and TERT Mutation Analysis, Next-Generation Sequencing, Tumor.

If this test is ordered with IDHT / IDH1 and IDH2 Mutations Analyses, Next-Generation Sequencing, Tumor, this test will be canceled and ordered as IDTRT.

**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 5% nuclei of tumor cells/cells of interest.

- Preferred amount of tumor area with sufficient percent tumor nuclei: tissue 144 mm(2)
- These amounts are cumulative over up to 10 unstained slides and must have adequate percent nuclei of tumor cells/cells of interest.
- Tissue fixation: 10% neutral buffered formalin, not decalcified
- Cytology fixatives: Cytology smears fixed in alcohol and thin preps fixed with CytoLyt.

Preferred:

Specimen Type: Tissue block

Collection Instructions: Submit a formalin-fixed, paraffin-embedded tissue block with acceptable percent nuclei of tumor cells/cells of interest.

Acceptable:

Specimen Type: Tissue slides

Slides: 1 Stained and 10 unstained

Collection Instructions: Submit 1 slide stained with hematoxylin and eosin and 10 unstained, nonbaked slides with 5-micron thick sections.

Note: The total amount of required cell nuclei can be obtained by scraping up to 10 slides from the same block.

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 3000 nucleated cells or a minimum of at least 350 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:**

See Specimen Required

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

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
618698	Result Summary	Alphanumeric		50397-9
618699	Result	Alphanumeric		82939-0
618700	Interpretation	Alphanumeric		69047-9
618701	Additional Information	Alphanumeric		48767-8
618704	Specimen	Alphanumeric		31208-2
618705	Source	Alphanumeric		31208-2
618706	Tissue ID	Alphanumeric		80398-1
618702	Method	Alphanumeric		85069-3
618703	Disclaimer	Alphanumeric		62364-5
618707	Released By	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

81345

88381-Microdissection, manual

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**Reflex Tests:**

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

**Reference Values:**

An interpretive report will be provided.