

Reporting Title: MLH1 Hypermethylation Analys, Tumor
Performing Location: Rochester

Ordering Guidance:
This test is **not** recommended as a first-tier screening measure for hereditary nonpolyposis colon cancer. For more information see TMSI / Microsatellite Instability, Tumor and IHC / Mismatch Repair (MMR) Protein Immunohistochemistry Only, Tumor.

Testing will only be performed on colon or endometrial tumors demonstrating loss of *MLH1* protein expression by immunohistochemistry.

Mayo Clinic's preferred screening test includes both *MLH1* promoter hypermethylation and *BRAF* V600E testing. Order BRMLH / *MLH1* Hypermethylation and *BRAF* Mutation Analysis, Tumor.

Extracted DNA from tissues is **not** an acceptable specimen type.

Necessary Information:
Pathology report **must** accompany specimen in order for testing to be performed.

Specimen Requirements:
Specimen Type: Tissue block or slide
Collection Instructions:
1. Submit formalin-fixed, paraffin-embedded tissue block (preferred) or 1 slide stained with hematoxylin and eosin and 10 unstained, nonbaked slides (5-micron thick sections) of the tumor tissue.
2. Sections should contain tumor tissue.

Forms:
1. [Molecular Genetics: Inherited Cancer Syndromes Patient Information](#) (T519)
2. If not ordering electronically, complete, print, and send 1 of the following forms with the specimen:
[-Gastroenterology and Hepatology Test Request](#) (T728)
[-Oncology Test Request](#) (T729)

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

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
53299	Result Summary	Alphanumeric		50397-9
53300	Result	Alphanumeric		82939-0
53301	Interpretation	Alphanumeric		69047-9
53302	Reason for Referral	Alphanumeric		42349-1
53303	Specimen	Alphanumeric		31208-2

53304	Source	Alphanumeric		85298-8
54447	Tissue ID	Alphanumeric		80398-1
53305	Released By	Alphanumeric		18771-6

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

Supplemental Report:

No

CPT Code Information:

81288

88381

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 interpretative report will be provided.