



Test Definition: IHC

Mismatch Repair (MMR) Protein
Immunohistochemistry Only, Tumor

Reporting Title: MMR Protein, IHC Only, Tumor

Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

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

Specimen Requirements:

Tumor tissue is required.

Preferred: Submit both 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 10 unstained

Collection Instructions:

Submit the followings slides:

1 Slide stained with hematoxylin and eosin

AND

10 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 10 slides from the same block.

Additional Information: Unused unstained slides will not be returned.

Forms:

1. [Molecular Genetics: Inherited Cancer Syndromes Patient Information](#) (T519)
2. 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®
53258	Result Summary	Alphanumeric		50397-9

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53259	Result	Alphanumeric		In Process
54443	Interpretation	Alphanumeric		59465-5
53260	Specimen	Alphanumeric		31208-2
53261	Source	Alphanumeric		31208-2
54444	Tissue ID	Alphanumeric		80398-1
53262	MLH1 IHC	Alphanumeric		81691-8
53263	MSH2 IHC	Alphanumeric		81692-6
53264	MSH6 IHC	Alphanumeric		81693-4
53265	PMS2 IHC	Alphanumeric		81694-2
53266	Released By	Alphanumeric		18771-6

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

Supplemental Report:

No

CPT Code Information:

88341 MLH1, MLH2, or MLH6 (if appropriate)

88342 PMS2 (if appropriate)

Reflex Tests:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
MLH1I	MLH-1, Immunostain	1	88341	Yes	No, (Bill only)
MSH2I	MSH-2, Immunostain	1	88341	Yes	No, (Bill only)
MSH6I	MSH-6, Immunostain	1	88341	Yes	No, (Bill only)
PMS2I	PMS-2, Immunostain	1	88342	Yes	No, (Bill only)

Reference Values:

An interpretive report will be provided.