MAYO CLINIC LABORATORIES

NEW TEST

Notification Date: October 1, 2024
Effective Date: November 4, 2024

MDM2 (12q15) Amplification, Well-Differentiated Liposarcoma/Atypical Lipomatous Tumor, FISH, Tissue

Test ID: JMDMF; performed at Mayo Clinic Laboratories Florida.

Useful for:
Supporting a diagnosis of well-differentiated liposarcoma/atypical lipomatous tumor.

Test Algorithm:
Testing includes a charge for technical application and professional interpretation of results.

Methods:
Fluorescence In Situ Hybridization (FISH)

Reference Values:
An interpretive report will be provided

Necessary Information:
1. **A pathology report is required for testing to be performed**. If not provided, appropriate testing and/or interpretation may be compromised or delayed. Acceptable pathology reports include working drafts, preliminary pathology, or surgical pathology reports.
2. **The following information must be included in the report provided**:
   -Patient name
   -Block number - must be on all blocks, slides, and paperwork
   -Date of collection
   -Tissue source
3. **A reason for testing must be provided**. If this information is not provided, an appropriate indication for testing may be entered by Mayo Clinic Laboratories.

Specimen Requirements:
Submit only 1 of the following specimens:

Preferred:
Specimen Type: Tissue block

Collection Instructions: Submit a formalin-fixed, paraffin-embedded tumor tissue block. Blocks prepared with alternative fixation methods are not accepted; provide fixation method used.

Acceptable:
Specimen Type: Tissue slides
Slides: 1 Hematoxylin and eosin-stained and 2 unstained
Collection Instructions: Submit 1 slide stained with hematoxylin and eosin and 2 consecutive, unstained, positively charged, unbaked slides with 4 to 5-micron-thick sections of the tumor tissue.
Minimum Volume: 1 hematoxylin and eosin-stained and 1 unstained.

Shipping Instructions:

Advise Express Mail or equivalent if not on courier service.
If sending a paraffin block, ship with an icepack during warm seasons.

Specimen Stability Information:

Specimen Type	Temperature	Time
Tissue	Ambient (preferred)	
	Refrigerated	

Cautions:

This test is not approved by the US Food and Drug Administration, and it is best used as an adjunct to existing clinical and pathologic information.
Fixatives other than formalin (eg Prefer, Bouin) may not be successful for fluorescence in situ hybridization (FISH) assays; Optimum fixation should be performed in 10% neutral buffered formalin. Non-formalin-fixed samples will be rejected.
Paraffin-embedded tissues that have been decalcified may not be successful for FISH analysis. Decalcified samples will be rejected.

CPT Code:

88377

Day(s) Performed: Monday through Friday **Report Available:** 2 to 8 days

Questions

Contact Bonnie Meyers, Laboratory Resource Coordinator at 800-533-1710.