

B-Cell Lymphoma, FISH, Tissue

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

Useful for:

Providing essential information for an integrated pathologic diagnosis, an individualized treatment plan, and predicting patient response to treatment.

Reflex Tests:

Test ID	Reporting Name	Available Separately	Always Performed
JLYMP	Probe, Each Additional (JLYMF)-PC	No (Bill Only)	No

Testing Algorithm:

This test is designed to detect the most common genomic changes in B-cell lymphoma including MYC-IGH fusion and rearrangement of MYC, BCL2, and BCL6 genes.

The oncologist and/or pathologist may order a single or all 4 fluorescence in situ hybridization (FISH) tests based on clinical needs. The lab will only perform the FISH tests that are ordered and report each separately within the same report. A charge and CPT code is applied for each probe set hybridized, analyzed, and reported.

Given the clinical importance of identifying the double-hit high grade B-cell lymphoma and the urgency of available results, one order to test all 4 probes for MYC-IGH fusion and rearrangement of *MYC*, *BCL2*, *BCL6* is highly recommended.

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.
4. **A list of probes is required** if select probes are necessary or if the patient is being tracked for known abnormalities.

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 will not be accepted; provide fixation method used.

Additional Information: Paraffin-embedded specimens can be from any anatomic location (skin, soft tissue, lymph node, etc).

Acceptable

Specimen Type: Tissue slides

Slides: 1 Hematoxylin and eosin-stained slide and 1 unstained slide for each probe set plus an additional unstained slide.

Collection Instructions:

1. Include 1 hematoxylin and eosin-stained slide for the entire test order.
2. For each probe set ordered, submit 1 consecutive, unstained, 4 to 5 micron-thick sections placed on positively charged slides, plus 1 additional unstained slide.

Minimum Volume: 1 Hematoxylin and eosin-stained slide and 1 unstained slide for each probe set

Shipping Instructions:

Advise Express Mail or equivalent if not on courier service.

Ship paraffin blocks on ice packs during warm months.

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 is best used as an adjunct to existing clinical and pathologic information.

Optimum fixation should be performed using 10% neutral buffered formalin. Other types of fixatives should not be used.

Paraffin-embedded tissues that have been decalcified are generally unsuccessful for fluorescence in situ hybridization analysis. Decalcified tissue will be rejected.

CPT Code:

88377 (if 1 probe set)

88377 x2 (if 2 probe sets)

88377 x3 (if 3 probe sets)

88377 x4 (if 4 probe sets)

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

Questions

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