



Reporting Title: Reflex Testing of MYD88 and CXCR4

Performing Location: Rochester

Shipping Instructions:

Whole blood or bone marrow specimens must arrive within 10 days of collection.

Necessary Information:

The following information is required:

1. Pertinent clinical history
2. Clinical or morphologic suspicion
3. Date and time of collection
4. Specimen source

Specimen Requirements:

Submit only 1 of the following specimens:

Preferred:

Specimen Type: Bone marrow

Container/Tube:

Preferred: Lavender top (EDTA)

Acceptable: Yellow top (ACD)

Specimen Volume: 2 mL

Collection Instructions:

1. Invert several times to mix bone marrow
2. Send bone marrow specimen in original tube. Do not aliquot.
3. Label specimen as bone marrow

Specimen Stability Information: Ambient (preferred)/Refrigerated

Specimen Type: Paraffin-embedded tissue

Container/Tube: Paraffin block

Specimen Stability: Ambient

Specimen Type: Paraffin-embedded bone marrow aspirate clot

Container/Tube: Paraffin block

Specimen Stability: Ambient

Specimen Type: Tissue

Slides: Unstained slides

Specimen Volume: 10 to 20 slides

Additional Information: Tissue must demonstrate involvement by a hematologic neoplasm (eg, acute myelocytic leukemia), not solid tumors.

Specimen Stability Information: Ambient

Acceptable:

Specimen Type: Whole blood



Container/Tube:

Preferred: Lavender top (EDTA)

Acceptable: Yellow top (ACD)

Specimen Volume: 3 mL

Collection Instructions:

1. Invert several times to mix blood
2. Send whole blood specimen in original tube. Do not aliquot.
3. Label specimen as blood

Specimen Stability Information: Ambient (preferred)/Refrigerated

Specimen Type: Extracted DNA

Container/Tube: 1.5- to 2-mL tube with indication of volume and concentration of the DNA

Specimen Volume: Entire specimen

Collection Instructions: Label specimen as extracted DNA and list the specimen source. Include indication of volume and concentration of the DNA.

Specimen Stability Information: Frozen (preferred)/Refrigerated/Ambient

Specimen Minimum Volume:

Whole blood, Bone marrow: 1 mL

Extracted DNA: 50 mcL with a concentration of at least 20 nanograms per mcL

Other specimen types: See Specimen Required

Forms:

1. Hematopathology Patient Information (T676)

2. If not ordering electronically, complete, print, and send a Hematopathology/Cytogenetics Test Request (T726) with the specimen.

Specimen Type	Temperature	Time	Special Container
Varies	Varies	10 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
LPLFX	MP042	Specimen Type	Plain Text	Yes



Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
MP042	Specimen Type	Alphanumeric		31208-2
601511	LPLFX Reflex Result	Alphanumeric		82140-5
601510	Final Diagnosis	Alphanumeric		50398-7

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

81305

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
CXCFX	CXCR4, Gene Mutation, Reflex			No	Yes (order CXLPL), Bill Only

Reference Values:

MYD88 L265P: Mutation present or absent based on expected variant polymerase chain reaction product size for the MYD88 gene (NCBI accession NM_002468.4).

CXCR4: Mutation present or absent in the test region c. 898-1059 (amino acids 300-353) of the CXCR4 gene (NCBI NM_003467.2, GRCh37).