
Reporting Title: CXCR4 Mutation in B-cell Lymphoma**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: 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: Bone marrow aspirate

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

Acceptable

Specimen Type: Extracted DNA from blood or bone marrow

Container/Tube: 1.5- to 2-mL tube

Specimen Volume: Entire specimen

Collection Instructions:

1. Label specimen as extracted DNA from blood or bone marrow

2. Provide volume and concentration of the DNA

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

Specimen Type: Paraffin-embedded tissue

Container/Tube: Paraffin block

Specimen Stability Information: 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

Specimen Minimum Volume:

Whole blood, Bone marrow: 1 mL

Extracted DNA: at least 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
CXLPL	MP032	Specimen Type	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
MP032	Specimen Type	Alphanumeric		31208-2
113436	CXLPL Result	Alphanumeric		59465-5

Result ID	Reporting Name	Type	Unit	LOINC®
38287	Final Diagnosis	Alphanumeric		50398-7

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

81479-Unlisted molecular pathology procedure

Reference Values:

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