

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

Test Definition: CXLPL

CXCR4 Mutation Analysis, Somatic,
Lymphoplasmacytic Lymphoma/Waldenstrom
Macroglobulinemia, Varies

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 to20 slides

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

Specimen Stability Information: Ambient

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 |
| 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)