

B-Lymphoblastic Leukemia/Lymphoma with BCR::ABL1-like Features Panel, FISH, Varies

Test ID: PHLFD

Useful for:

Detecting a neoplastic clone associated with B-Lymphoblastic Leukemia/Lymphoma with BCR::ABL1-like Features particularly when a classic abnormality is not detected with the initial panel using a laboratory-designated probe set algorithm

An adjunct to conventional chromosome studies in patients with B-cell ALL

Evaluating specimens in which standard cytogenetic analysis is unsuccessful

This test should not be used to screen for residual B-Lymphoblastic Leukemia/Lymphoma with BCR::ABL1-like Features.

Reflex Tests:

| Test ID | Reporting Name | Available Separately | Always Performed |
|---------|--------------------------------|----------------------|------------------|
| PHLBD | Probe, Each Additional (PHLFD) | No (Bill Only) | No |

Methods:

Fluorescence In Situ Hybridization (FISH)

Reference Values:

An interpretive report will be provided.

Specimen Requirements:

Submit only 1 of the following specimens:

Preferred Specimen

Type: Bone Marrow

Container/Tube:

Preferred: Yellow top (ACD)

Acceptable: Green top (sodium heparin) or lavender top (EDTA)

Specimen Volume: 2 to 3 mL

Collection Instructions:

1. It is preferable to send the first aspirate from the bone marrow collection.
2. Invert several times to mix bone marrow.
3. Send bone marrow in original tube. Do not aliquot.

Minimum Volume: 1 mL

Acceptable Specimen Type: Whole blood

Container/Tube:

Preferred: Yellow top (ACD)

Acceptable: Green top (sodium heparin) or lavender top (EDTA)

Specimen Volume: 6 mL

Collection Instructions:

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

Minimum Volume: 2 mL

Specimen Stability Information:

| Specimen Type | Temperature | Time | Special Container |
|---------------|---------------------|------|-------------------|
| Varies | 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 clinical and pathologic information.

Fluorescence in situ hybridization (FISH) is not a substitute for conventional chromosome studies because the latter detects chromosome abnormalities associated with other hematological disorders that would be missed by this targeted BCR::ABL1-like FISH panel test.

Bone marrow is the preferred specimen type for this FISH test. If bone marrow is not available, a blood specimen may be used if there are malignant cells in the blood specimen (as verified by a hematopathologist).

If no FISH signals are observed post-hybridization, the case will be released indicating a lack of FISH results.

CPT Code:

88271x12, 88275x6, 88291 x1-FISH Probe, Analysis, Interpretation; 6 probe sets
88271x2, 88275x1-FISH Probe, Analysis; each additional probe set (if appropriate)

Day(s) Performed: Monday through Friday

Report Available: 7 to 10 days

Questions

Contact Josh Couchene, Laboratory Resource Coordinator at 800-533-1710.