
Acute Promyelocytic Leukemia-PML::RARA fusion, Expedited Diagnostic FISH, Varies

Test ID: APLDF

Useful for:

Detecting, at diagnosis, acute promyelocytic leukemia (APL)

This test should not be used to screen for residual APL.

Reflex Tests:

Test ID	Reporting Name	Available Separately	Always Performed
APLDB	Probe, Each Additional (APLDF)	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

Preferred Tube: Yellow top (ACD)

Acceptable Tube: 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

Preferred Tube: Yellow top (ACD)

Acceptable Tube: 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.

If additional RARA testing is required, results will be delayed until the next business day. The laboratory is unable to provide preliminary results.

This test will only utilize the fluorescence in situ hybridization (FISH) algorithm described in the testing algorithm. The break-apart RARA FISH probe set cannot be preemptively added to this test.

This assay may not detect rare, unusual PML::RARA fusion.

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 circulating myeloblasts 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:

88271x2, 88275x1, 88291x1- FISH Probe, Analysis, Interpretation; 1 probe set
 88271x2, 88275x1-FISH Probe, Analysis; each additional probe set (if appropriate)

Day(s) Performed: Monday through Sunday

Report Available: 1 to 3 days

Questions

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