

Medical Genetics
Wake Forest University School of Medicine
Winston Salem NC
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Test: Hematology (Leukemia) Rearrangements/Aneuploidy – Bone Marrow/Bone Core/Peripheral Blood

Fluorescence In Situ Hybridization (FISH)

Purpose of Test: To rapidly identify acquired chromosome aneuploidies, rearrangements, and/or deletions that are specifically associated with a particular leukemic subtype. This analysis uses DNA probes for either a chromosome(s) or genes involved in a specific chromosome rearrangement. The results can be used for diagnosis, prognosis, or monitoring the disease process or therapeutic response/relapse.

Required Information: Please provide indications (ICD-9) for testing on our referral form with each specimen. Accurate testing and interpretation may otherwise be compromised.

Note: Routine cytogenetic analysis is strongly recommended to identify possible additional hematological-associated chromosome abnormalities which would not be identified through FISH analysis.

SUBMIT ONLY 1 OF THE FOLLOWING SPECIMENS:

Blood – click for collection information.

Done on interphase or metaphase cells requiring cytogenetic confirmation.

Bone Marrow – see page 18 for collection information.

Done on interphase or metaphase cells requiring cytogenetic confirmation.

Bone Core - click for collection information.

Done on interphase or metaphase cells requiring cytogenetic confirmation.

Unstimulated Peripheral Blood – clicks for collection information.

Done on interphase or metaphase cells requiring cytogenetic confirmation.

Solid Tumor / FNA – click for collection information.

Done on interphase or metaphase cells requiring cytogenetic confirmation.

Pleural Fluid / CNS / Lymph Node – click for collection information.

Done on interphase or metaphase cells requiring cytogenetic confirmation.

Turn Around Time: 1-2 days; stats 3-5 hours

Probe(s) see FISH probe list – PDF file

CPT Code

88271x2 DNA probe, each

88275x2 Interphase in situ hybridization