



BCR-ABL1 FISH

Rapid Detection of the BCR-ABL1 Fusion

BCR-ABL1 FISH uses fluorescence in situ hybridization technology to detect the BCR-ABL1 fusion, a hallmark diagnostic marker for Chronic Myeloid Leukemia (CML). The BCR-ABL1 fusion is also found in a subset of Acute Lymphoblastic Leukemias (Ph+ ALL) and rarely in Acute Myeloid Leukemia (AML).

Why Order BCR-ABL1 FISH?

- Detects a submicroscopic insertion of BCR-ABL1 present without the hallmark Philadelphia chromosome
- Does not require dividing cells
- Faster than conventional chromosome analysis
- Highly sensitive for identifying BCR-ABL1 rearrangements
- Useful when karyotyping is unsuccessful or insufficient
- Supports diagnosis and disease classification

Clinical Applications:

- Initial diagnosis of Chronic Myeloid Leukemia (CML)
- Evaluation of suspected Philadelphia chromosome-positive Acute Lymphoblastic Leukemia (Ph+ ALL)
- Detection of variant or cryptic rearrangements
- Complementary testing alongside cytogenetics and molecular assays

Why EmeritusDX?

- Comprehensive hematologic diagnostic services
- Integrated FISH, Flow Cytometry, Molecular, Cytogenetic, and Hematopathology testing
- Expert interpretation by board-certified hematopathologists
- TAT: 3-5 Days
- CAP-Accredited
- CLIA-Certified

BCR-ABL1 FISH complements molecular testing by directly visualizing chromosomal rearrangements, providing valuable diagnostic information even when metaphase cells are limited or PCR results require confirmation.

