



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.





BCL2 (18q21)

Alternative Name

B-cell lymphoma

Methodology

FISH

Test Description

Probes: BCL2 (18q21)

Disease(s): B-cell lymphoma, non-Hodgkin lymphoma (NHL), follicular lymphoma (FL), diffuse large B-cell lymphoma (DLBCL)

Clinical Significance

This BCL2 break-apart probe enables detection of BCL2 rearrangements at 18q21 irrespective of the partner gene. Detection of BCL2 rearrangement aids in diagnosis and classification of follicular lymphoma (FL), diffuse large B-cell lymphoma (DLBCL), and other aggressive B-cell lymphomas in conjunction with clinical, morphologic, and flow cytometric data. The most frequent rearrangement partner is IgH (14q32). Rarely, variant translocations involve the light chain genes Ig lambda (22q11) or Ig kappa (2p12), AFF3 (2q11), or the mu switch region. BCL2 functions in anti-apoptosis and its overexpression is implicated in oncogenesis.

Specimen Requirements

- **Bone Marrow Aspirate:** 1-2mL Sodium Heparin Tube. EDTA tube is acceptable
- **Peripheral Blood:** 2-5mL Sodium Heparin Tube. EDTA tube is acceptable
- **Fresh, Unfixed Tissue:** Tissue in RPMI
- **Bone Marrow/ Peripheral Blood Smear or Fresh Tissue Touch Preparation Slides:** minimum 1 slide labeled with specimen type.
- **Fluids:** Equal parts RPMI to specimen volume
- **Fixed Cell Suspension:** A client fixed cell suspension may be submitted for testing as long as it is received in 3:1 Methanol:Glacial Acetic Acid.
- **Paraffin Block:** H&E slide (required) plus paraffin block. Circle H&E for tech-only
- **Cut Slides:** H&E slide (required) plus 2 unstained slides cut at 4 microns. Circle H&E for tech-only.
- **Note:** Please exclude biopsy needles, blades, and other foreign objects from transport tubes. These can compromise specimen viability and yield, and create hazards for employees.

Storage & Transportation

Refrigerate specimen. Do not freeze. Use cold pack for transport, making sure cold pack is not in direct contact with specimen. For fresh samples: ship same day as drawn whenever possible; specimens <72 hours old preferred.

CPT Code(s)*

88377x1 manual or 88374x1 automated

New York Approved

Yes

Level of Service

Technical, Global

Turnaround Time

3-5 days (for both unfixed and FFPE specimens)

NeoGenomics Laboratories is a specialized oncology reference laboratory providing the latest technologies, testing partnership opportunities, and interactive education to the oncology and pathology communities. We offer the complete spectrum of diagnostic services in molecular testing, FISH, cytogenetics, flow cytometry, and immunohistochemistry through our nation-wide network of CAP-accredited, CLIA-certified laboratories.

Committed to research as the means to improve patient care, we provide Pharma Services for pharmaceutical companies, in vitro diagnostic manufacturers, and academic scientist-clinicians. We promote joint publications with our client physicians. NeoGenomics welcomes your inquiries for collaborations. Please contact us for more information.

*The CPT codes provided with our test descriptions are based on AMA guidelines and are for informational purposes only. Correct CPT coding is the sole responsibility of the billing party.

Please direct any questions regarding coding to the payor being billed.



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