



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



ABL1 Kinase Domain Mutation Analysis

Alternative Name

ABL1 Kinase

Methodology

Molecular

Test Description

RT-PCR and sequencing of the BCR-ABL1 fusion transcript for qualitative detection of mutations associated with resistance to Gleevec (imatinib) and other tyrosine kinase inhibitors. Analysis includes detection of all mutations recommended by guidelines, including the common T315I, Y253H, E255K/V, F359V/C/I, F317L/V/I/C, T315A, and V299L.

Clinical Significance

Testing is recommended in CML with poor initial response to Gleevec (imatinib), relapse, or progression to accelerated/blast phase. Presence and identity of mutation may direct management to alternative drugs or stem cell transplant.

Specimen Requirements

- **Peripheral blood:** 5 mL in EDTA tube.
- **Bone marrow:** 2 mL in EDTA tube.

Note: Test is RNA-based. Please select Extract & Hold – RNA if specimen hold service is desired.

Storage & Transportation

Use cold pack for transport, making sure cold pack is not in direct contact with specimen. Ship same day as drawn whenever possible; specimens <7 days old preferred.

CPT Code(s)*

81170

New York Approved

Yes

Level of Service

Global

Turnaround Time

10 days

*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.

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.

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