



# Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



## CSF3R Mutation Analysis

### Alternative Name

CSF3R

### Methodology

Molecular

### Test Description

Bi-directional sequencing of exons 14 and 17 of the CSF3R gene which includes detection of the common mutation T618I (also known as T595I).

### Clinical Significance

CSF3R mutations are newly-identified genetic markers detected in 59% of chronic neutrophilic leukemia (CNL) or atypical chronic myeloid leukemia (aCML) that are useful for diagnosis and classification of these disorders. Identification of specific mutations may suggest the class of kinase inhibitors to which the tumor will be sensitive. Mutations are also detected in 30-80% of leukemia in patients with severe congenital neutropenia (SCN).

### Specimen Requirements

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

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

### Storage & Transportation

Use cold pack for transport, making sure cold pack is not in direct contact with specimen.

### CPT Code(s)\*

81479

### New York Approved

No

### 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.

\*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.



9490 NeoGenomics Way  
Fort Myers, FL 33912  
Phone: 239.768.0600/ Fax: 239.690.4237  
neogenomics.com  
© 2024 NeoGenomics Laboratories, Inc. All Rights Reserved.  
All other trademarks are the property of their respective owners  
Rev. 070324