



# Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



## inv(16), CBFB-MYH11 Translocation

### Alternative Name

CBFB-MYH11 Fusion

### Methodology

Molecular

### Test Description

Real-time RT-PCR for quantitative detection of the inv(16) CBFB-MYH11 fusion transcript. Positive results are reported as ratio of the amount of fusion transcript with the amount of transcript from a normal control gene. This assay identifies type A fusions, which account for >90%. Analytical sensitivity is 1 tumor cell in 10,000 normal cells.

### Clinical Significance

The inv(16) occurs in about 10% of all acute myeloid leukemia and nearly all cases of AML with eosinophilia, subtype M4eo. The inversion is generally associated with relatively good outcome. This assay is recommended for diagnostic confirmation, for monitoring minimal residual disease, and for detection of relapse. c-KIT mutation testing may be considered for inv(16)-positive AML patients as c-KIT mutations are considered an adverse risk factor in these and other patients with core-binding factor AML.

### 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 <72 hours old preferred.

### CPT Code(s)\*

81401

### New York Approved

No

### Level of Service

Global

### Turnaround Time

7 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.

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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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