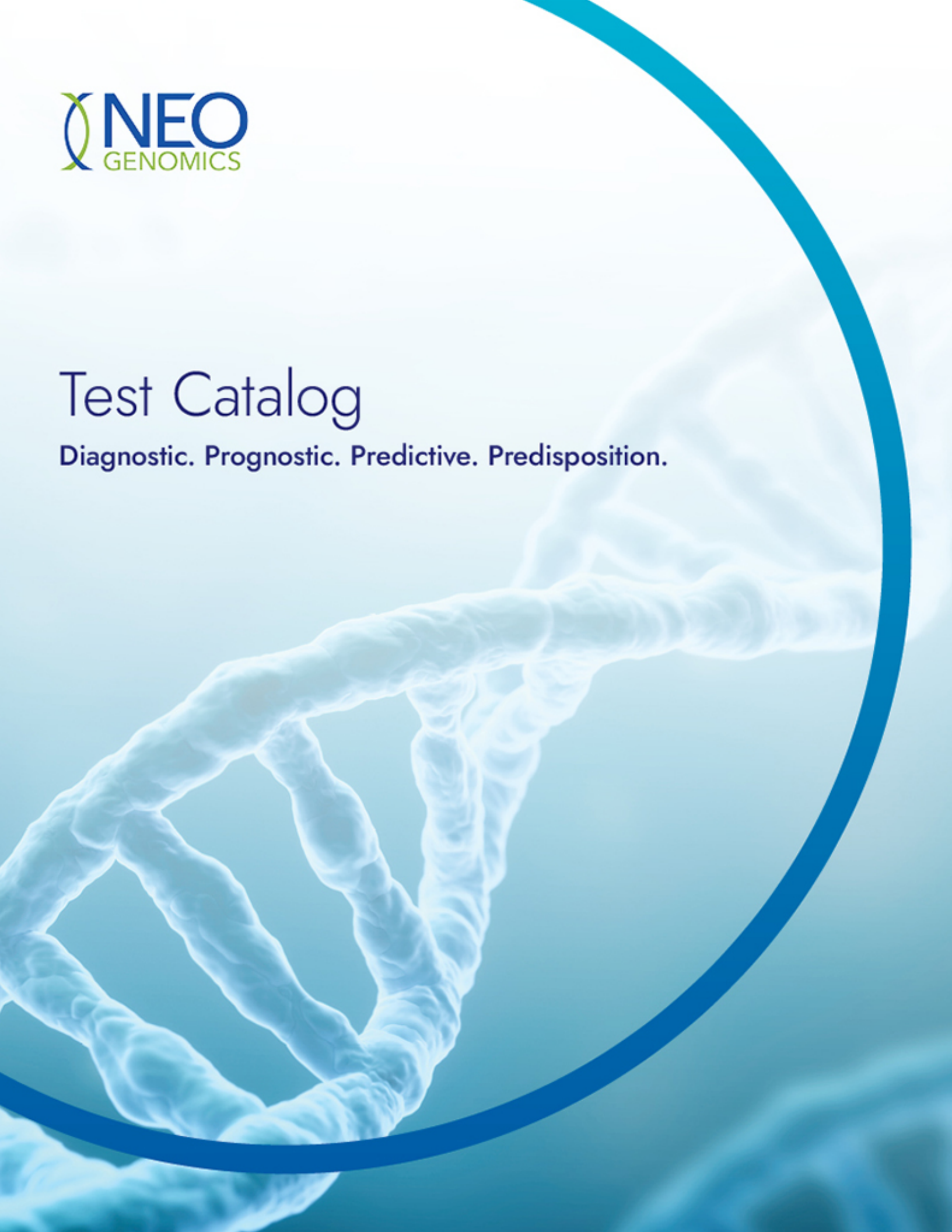
NEO GENOMICS

Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



PML-RARA Translocation, t(15;17)

Alternative Name
PML-RARA Translocation, PML-RARA Fusion

Methodology
Molecular

Test Description
Real-time RT-PCR for quantitative detection of the t(15;17) PML-RARA fusion transcript. Both long and short isoforms of the fusion transcript are detected. Positive results identify the isoform and quantify it as a ratio with the amount of transcript from a normal control gene. Analytical sensitivity is 1 tumor cell in 10,000 normal cells.

Clinical Significance
The (15;17) translocation occurs in nearly all cases of acute promyelocytic leukemia (APL, or AML subtype M3). The translocation is associated with a high rate of complete remission due to sensitivity of leukemic cells to all trans-retinoic acid (ATRA). This assay is recommended for diagnostic confirmation and initiation of ATRA therapy, for monitoring minimal residual disease (MRD), and for detection of relapse

Specimen Requirements
- **Bone marrow (preferred):** 2 mL in EDTA tube.
- **Peripheral blood (acceptable):** 5 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)*
81315

New York Approved
Yes

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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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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