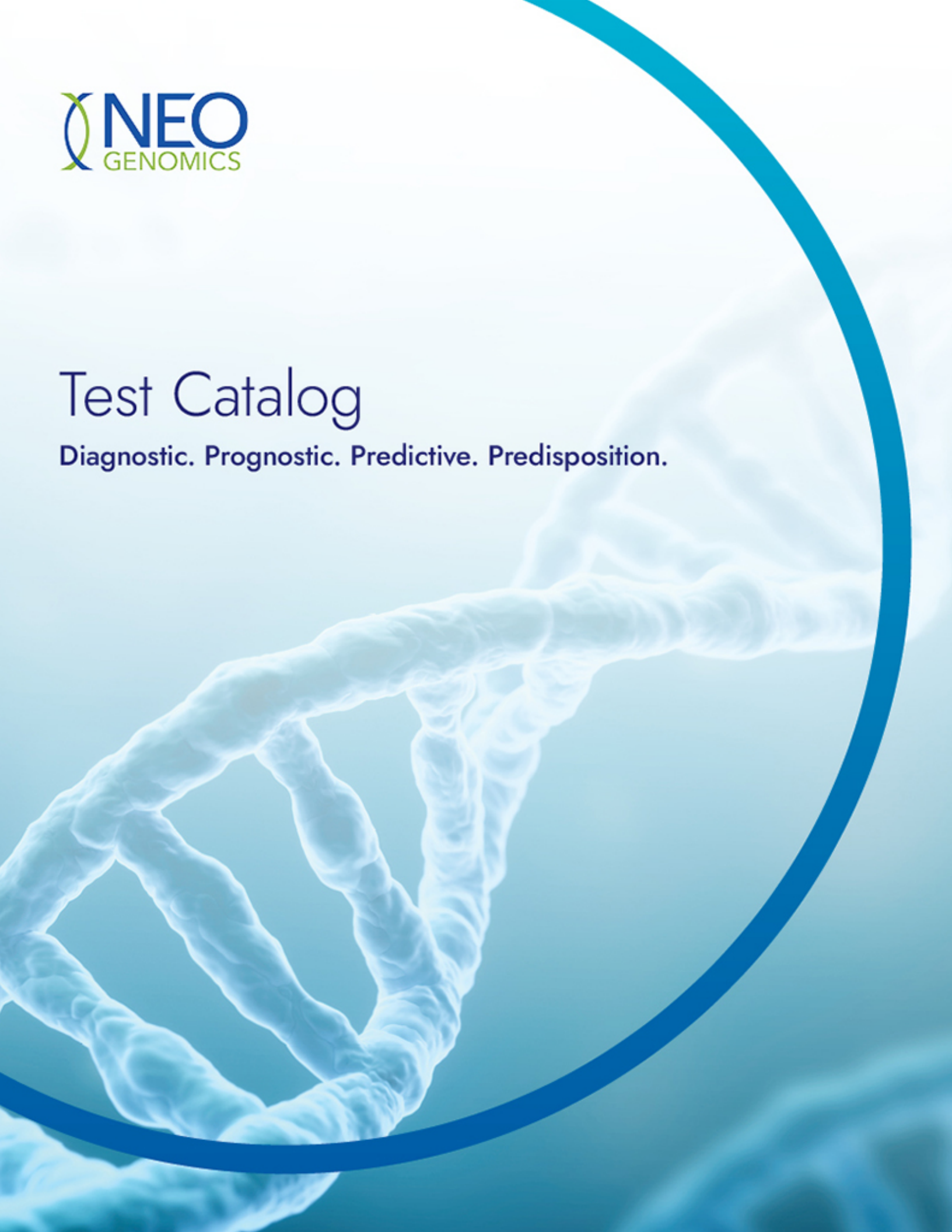
NEO GENOMICS

Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



NEO | AML Express™

Alternative Name
AML Express Rapid AML

Methodology
Molecular

Test Description
The NEO | AML Express assay is a next-generation sequencing (NGS) assay using combined DNA- and RNA-sequencing, which is used to identify prognostically and diagnostically informative alterations in acute myeloid leukemia (AML). The DNA sequencing component of this assay detects single nucleotide variants (SNVs) and indels in genes recurrently mutated in AML, and the RNA sequencing component detects fusions involving genes that are frequently involved in structural rearrangements observed in AML, as noted below. Test reports include a summary interpretation of all results together.

DNA Sequencing

- SNVs/InDels (38 genes): ABL1, ASXL1, BCOR, BRAF, CALR, CBL, CEBPA, CSF3R, DDX41, DNMT3A, ETV6, EZH2, FLT3, GATA2, HRAS, IDH1, IDH2, JAK2, KIT, KRAS, MPL, NF1, NPM1, NRAS, PHF6, PPM1D, PRPF8, PTPN11, RUNX1, SETBP1, SF3B1, SRSF2, STAG2, TET2, TP53, U2AF1, WT1, ZRSR2

RNA Sequencing

- Fusions (9 genes): ABL1, KAT6A, KMT2A, MECOM, MYH11, NUP98, NUP214, RUNX1, RARA

Clinical Significance
In conjunction with clinical features and other laboratory results, molecular profiling with the NEO Express AML panel may facilitate risk stratification and therapy selection for patients with newly diagnosed AML.

Specimen Requirements
- Bone Marrow Aspirate: 1-2 mL in EDTA tube
- Peripheral Blood: 2-3 mL in EDTA tube

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

Important! To ensure fast TAT and sample stability, ship samples directly to NeoGenomics Houston.

CPT Code(s)*
Client-Bill Only

New York Approved
No

Level of Service

Global

Turnaround Time

3-5 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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