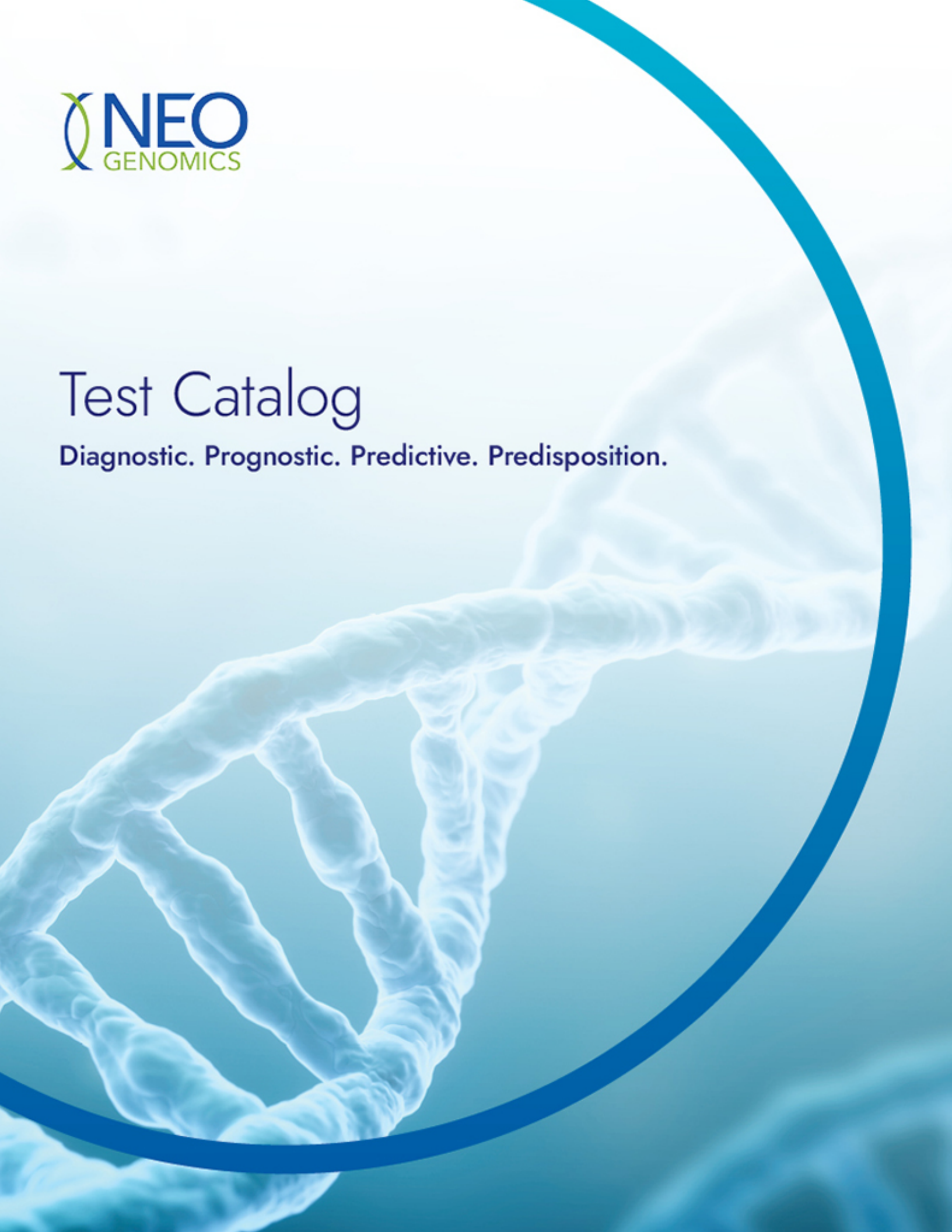
NEO GENOMICS

Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



RARA Break-Apart

Methodology
FISH

Test Description
Disease(s): APL, AML
Probes: RARA (17q21)

Clinical Significance
This RARA break-apart probe is useful for detecting variant RARA translocations with partners other than PML such as t(5;17) and t(11;17). Testing is recommended when FISH for t(15;17) is negative but extra RARA signals are seen to distinguish variant RARA translocations from trisomy 17. If indicated, follow-up metaphase FISH may be added to identify rearrangement partner chromosomes as an aid to therapy selection. Testing is also useful for verifying RARA status when morphology is suspicious for APL but t(15;17) FISH is negative.

Specimen Requirements
- **Bone marrow aspirate:** 1-2 mL sodium heparin tube. EDTA tube is acceptable.
- **Peripheral blood:** 2-5 mL sodium heparin tube. EDTA tube is acceptable.
- **Fresh, unfixed tissue:** Tissue in RPMI.
- **Bone Marrow/ Peripheral Blood Smear or Fresh Tissue Touch Preparation Slides:** minimum 1 slide labeled with specimen type.
- **Fluids:** Equal parts RPMI to specimen volume.
- **Fixed Cell Suspension:** A client fixed cell suspension may be submitted for testing as long as it is received in 3:1 Methanol:Glacial Acetic Acid.
- **Paraffin block or cut slides:** Not available.
- **Note:** Please exclude biopsy needles, blades, and other foreign objects from transport tubes. These can compromise specimen viability and yield, and create hazards for employees.

Storage & Transportation
Refrigerate specimen. Do not freeze. Use cold pack for transport. Make sure cold pack is not in direct contact with specimen. For fresh samples: ship same day as drawn whenever possible; specimens <72 hours old preferred.

CPT Code(s)*
88377x1 manual or 88374x1 automated.

New York Approved
Yes

Level of Service
Technical, 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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