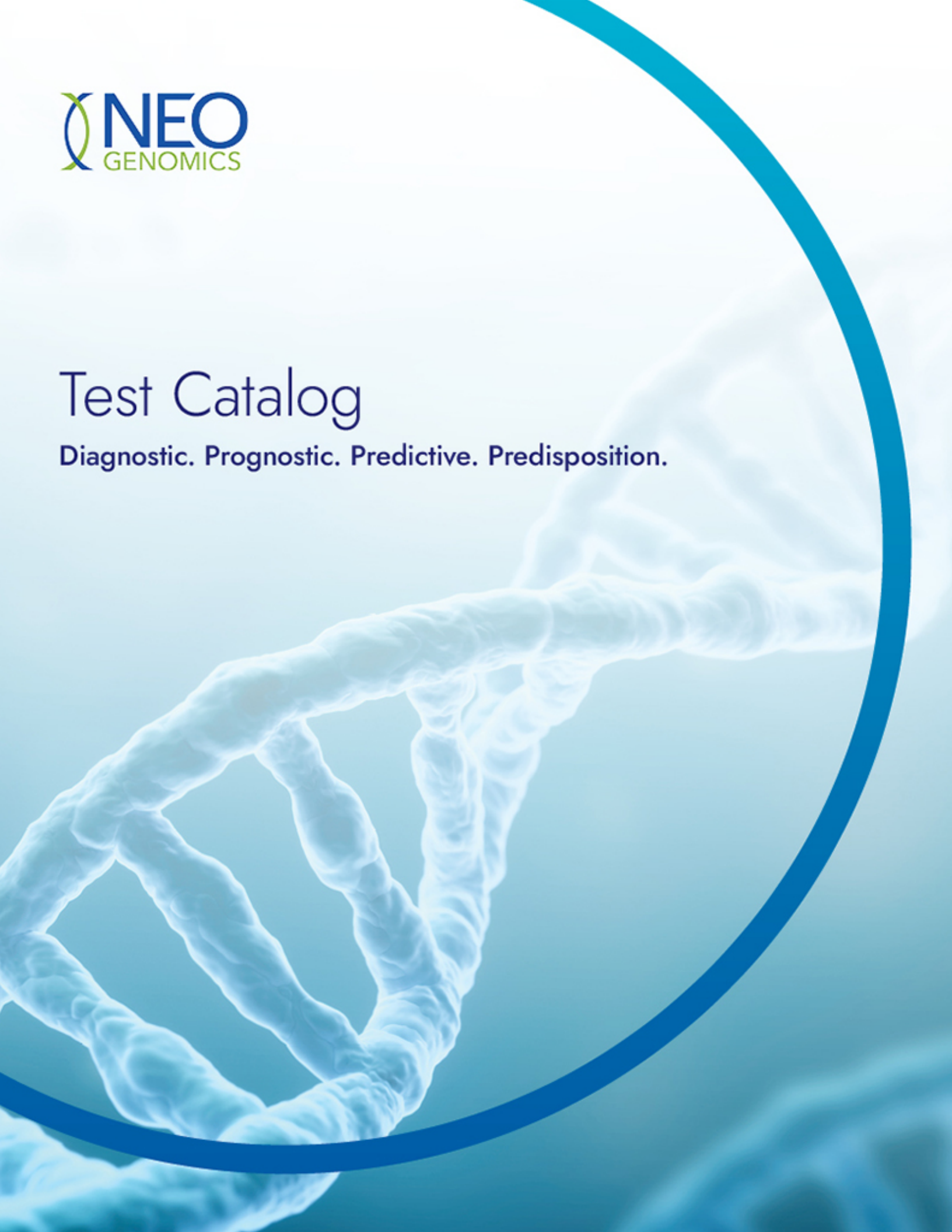
NEO GENOMICS

Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



ALK Mutation Analysis

Alternative Name
ALK Mutation

Methodology
Molecular

Test Description
Bi-directional Sanger sequencing of ALK is performed using PCR primers designed to target hotspot mutations in exons 23 and 25.

Clinical Significance
ALK gene translocations are a well-known cause of gene deregulation and target of ALK inhibitors in non-small cell lung carcinoma (NSCLC). However, point mutations in the ALK tyrosine kinase domain, such as those detected by this test, are reported in patients who develop resistance to this therapy. Mutation analysis can help predict sensitivity or resistance to first and second generation inhibitors such as crizotinib, alectinib, and ceritinib. Reported mutations include F1174V, F1174L, L1196M, and G1202R.

Note: This test is not designed to detect ALK fusions. To test for ALK rearrangement/fusions, either ALK for NSCLC FISH or Lung NGS Fusion Panel (Complete) are suggested.

Specimen Requirements
- **FFPE tissue**: Paraffin block is preferred. Alternatively, send 1 H&E slide plus 5-10 unstained slides cut at 5 or more microns. Please use positively-charged slides and 10% NBF fixative. Do not use zinc fixatives.

Storage & Transportation
Use cold pack for transport, making sure cold pack is not in direct contact with specimen. All slides can be packed at room temperature.

CPT Code(s)*
81479

New York Approved
No

Level of Service
Global

Turnaround Time
7-10 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.

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