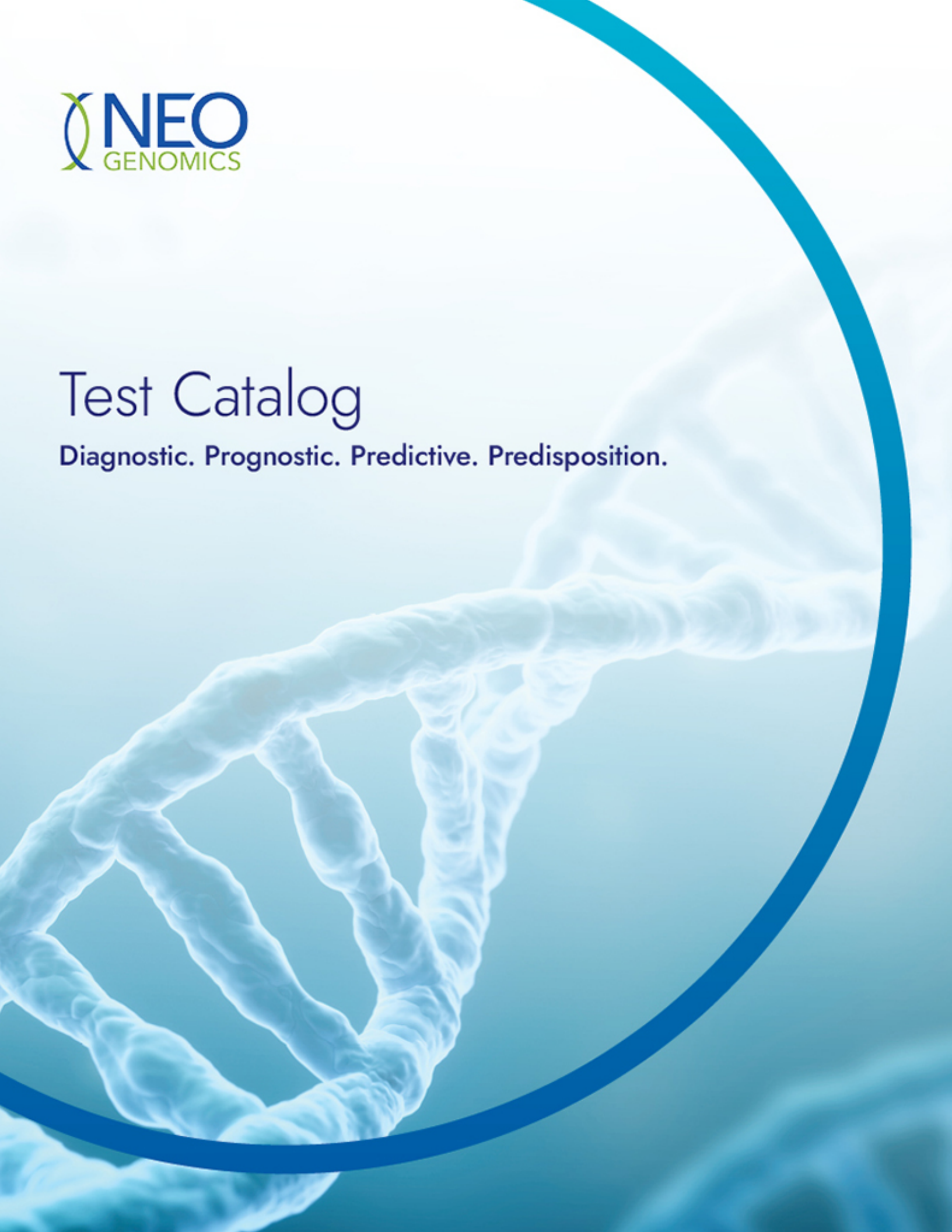
NEO GENOMICS

Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



NRAS Mutation Analysis

Alternative Name
NRAS Gene Sequencing, NRAS Exons 2-4

Methodology
Molecular

Test Description
Bi-directional sequencing of NRAS exons 2, 3, and 4 including codons 12, 13, 59, 61, 117, and 146.

Clinical Significance
NRAS is highly homologous with KRAS; both are members of the most frequently mutated family of oncogenes. NRAS mutations are found in a wide variety of solid tumors, in advanced systemic mastocytosis, and in myeloid neoplasias. Patients with any known KRAS mutation or NRAS mutation may be resistant to certain tyrosine kinase inhibitors. Testing is available separately or in combination with BRAF, HRAS and KRAS in the RAS/RAF Panel.

Specimen Requirements
- **Peripheral blood:** 5 mL in EDTA tube.
- **Bone marrow:** 2 mL in EDTA tube.
- **FFPE solid tumor 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.

CPT Code(s)*
81311, 81403

Medicare MolDX CPT Code(s)*
81479

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.

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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