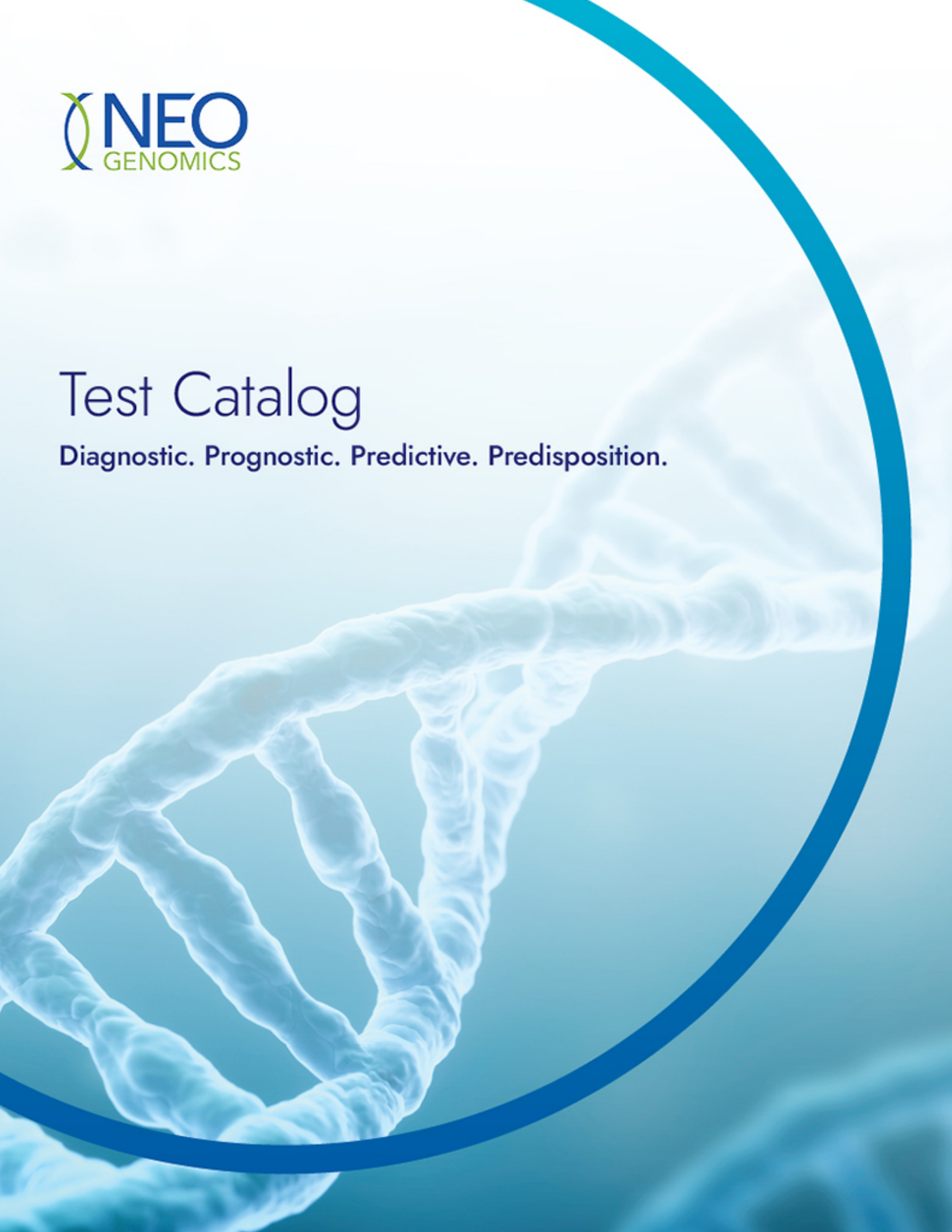
NEO GENOMICS

Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



RAS/RAF Panel

Alternative Name
RAS Mutation Analysis, RAF Mutation Analysis, RAS RAF, RAS RAF Panel

Methodology
Molecular

Test Description
The RAS/RAF Panel is an NGS-based assay performed by sequencing the entire coding region (full gene) of BRAF, HRAS, KRAS and NRAS genes. The panel reports mutations detected in the full gene including mutations in the most common hotspots, if present. The common hotspots include KRAS (exons 2-4, including codons 12, 13, 59, 61, 117, and 146), NRAS (exons 2-4, including codons 12, 13, 59, 61, 117, and 146), HRAS (exons 2-3, including codons 12, 13, 59, and 61), and BRAF (exons 11, 15 including codon V600).

Clinical Significance
KRAS, NRAS, HRAS, and BRAF are members of the RAS/RAF/MAPK pathway. Current guidelines recommend KRAS and NRAS testing in metastatic colorectal cancer for determination of anti-EGFR therapy, and recommend BRAF testing as a marker of poor prognosis. BRAF mutations may predict lack of response to anti-EGFR therapy; evidence is mixed.

Specimen Requirements
- **FFPE tissue:** Paraffin block is preferred. Alternatively, send 1 H&E slide plus 14 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 transporting block during summer to prevent block from melting. Slides can be packed at room temperature.

CPT Code(s)*
81404 - HRAS, 81405 - KRAS, 81406 - BRAF, 81479 - NRAS

Medicare MolDX CPT Code(s)*
81479

New York Approved
Yes

Level of Service
Global

Turnaround Time

10-14 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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