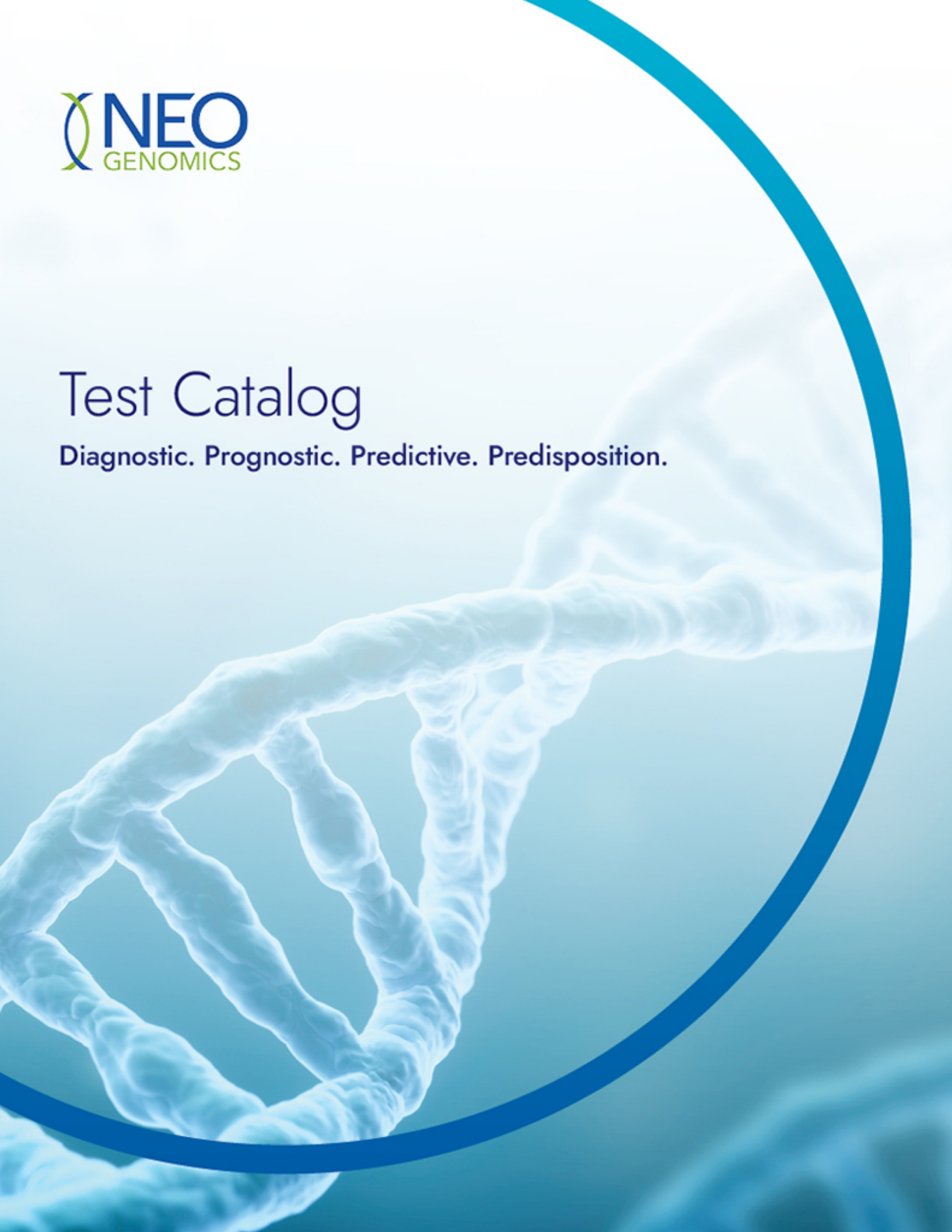
NEO GENOMICS

Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



JAK2 V617F Mutation Analysis - Quantitative

Alternative Name
JAK2 V617F Quantitative Analysis

Methodology
Molecular

Test Description
Quantitative detection of the V617F mutation, which is commonly found in myeloproliferative neoplasms (MPN). DNA is isolated and subjected to allele-specific polymerase chain reaction (PCR) amplification. Test report includes a bar graph to trend the mutational load.

Clinical Significance
The JAK2 V617F mutation is present in approximately 90% of polycythemia vera (PV) cases and approximately half of primary myelofibrosis (PMF) or essential thrombocythemia (ET). Quantitation of V617F is useful for monitoring MPN patients' response to clinical treatment as V617F mutational load correlates with disease course, therefore can be used as a predictive marker.

Specimen Requirements
- **Bone Marrow Aspirate:** 2-3 mL in EDTA tube (Preferred); Heparin (Acceptable)
- **Peripheral Blood:** 3-5 mL in EDTA tube (Preferred); Heparin (Acceptable)

Note: Test is DNA-based. Please select Extract & Hold - DNA if specimen hold service is desired.

Storage & Transportation
Use cold pack for transport, making sure cold pack is not in direct contact with specimen. Ship same day as drawn whenever possible; specimens <72 hours old preferred.

CPT Code(s)*
81270 (x1)

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.

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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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