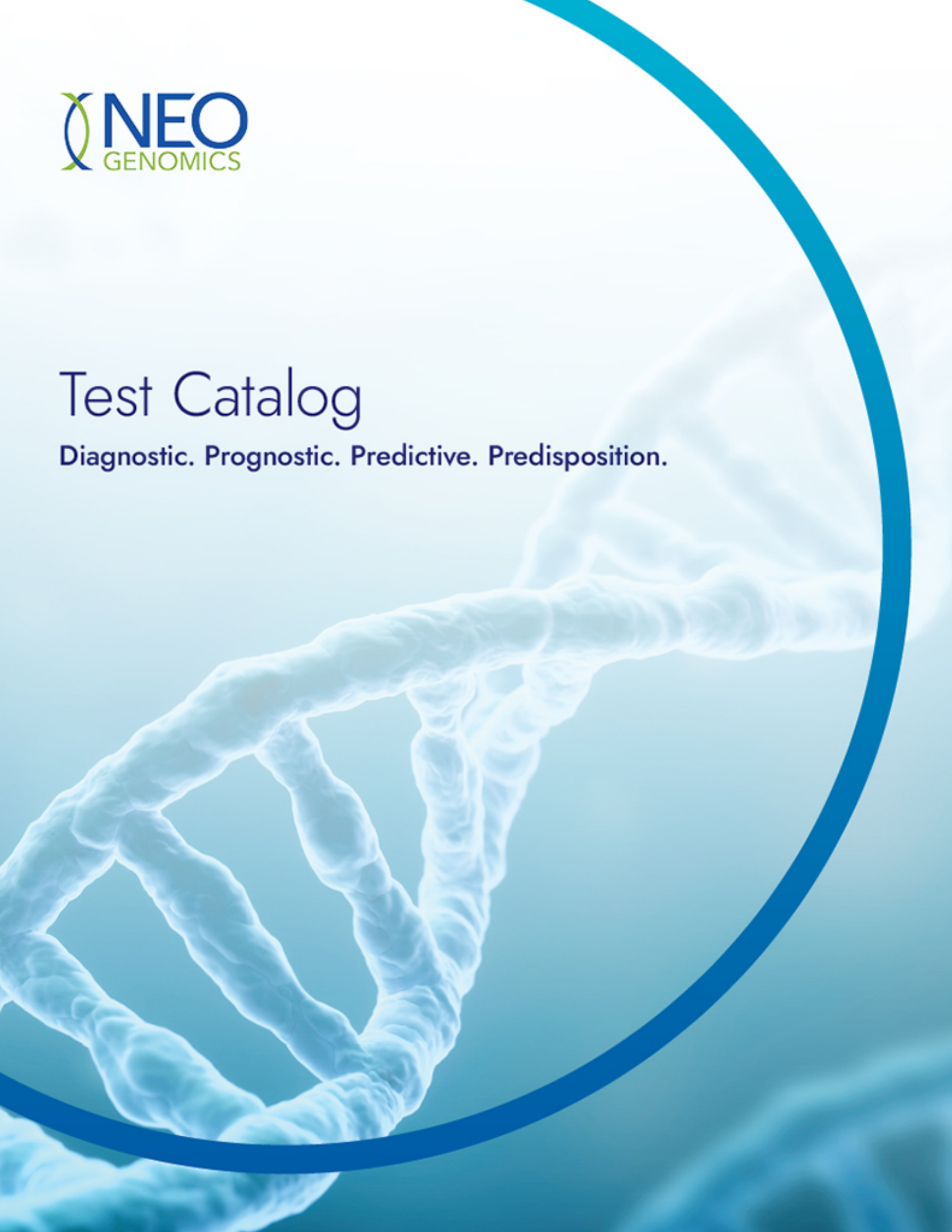
NEO GENOMICS

# Test Catalog

**Diagnostic. Prognostic. Predictive. Predisposition.**



# MPL Mutation Analysis

## Alternative Name
Myeloproliferative Leukemia

## Methodology
Molecular

## Test Description
Bi-directional sequencing of exon 10 of the MPL gene to detect all possible mutations at the W515 and S505 codons, and other mutations throughout the exon. Testing is performed on plasma for increased sensitivity whenever possible. This test may be ordered separately or as part of the MPN Reflex Panel. Testing is approved for specimens from the state of New York.

## Clinical Significance
MPL W515 mutations are present in JAK2-negative patients with primary myelofibrosis (PMF) or essential thrombocythemia (ET) at a frequency of approximately 1-5%, respectively. The S505 mutation is usually detected in patients with familial essential thrombocythemia.  Mutation analysis helps differentiate reactive conditions from MPNs.

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

Note: Test in DNA-based, suitable for Freeze & Hold option.

## 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)*
81339 (as of 01/01/2021); Prior to CPT Code was 81402

## New York Approved
Yes

## Level of Service
Global

## Turnaround Time
10 days

## Medical Necessity Resource

Medical Necessity for NeoTYPE Myeloid Profiles

*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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