



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.





MPN JAK2 V617F with Sequential Reflex to JAK2 Exon 12-13, CALR, and MPL

Alternative Name

MPN Reflex Test

Methodology

Molecular

Test Description

Sequential testing panel including qualitative detection of JAK2 V617F, JAK2 Exon 12-14, CALR exon 9, and MPL exon 10. Testing proceeds by reflex, with the next step triggered by a negative result or a weakly positive result of uncertain clinical significance; no further testing is performed once an informative result is obtained. Testing is performed on plasma for increased sensitivity whenever possible. Tests may also be ordered individually (see separate listing). Testing is approved for specimens from the state of New York.

Clinical Significance

Comprehensive testing to identify mutations associated with the myeloproliferative neoplasms polycythemia vera (PV), essential thrombocythemia (ET), and primary myelofibrosis (PMF). Mutation analysis helps differentiate reactive conditions from MPNs, may provide prognostic information, and may help distinguish ET and PMF from PV.

Specimen Requirements

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

Note: Test is RNA-based, NOT 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)*

81270, 81279, 81219, 81339 (as of 01/01/2021); Prior CPT Codes were 81270, 81403, 81219, 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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