

DIAGNOSTICS

BE SURE
BE WELL

ए.जी डायग्नॉस्टिक्स प्रा. लि. _____ A.G Diagnostics Pvt. Ltd.
a Neuberger associate

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JAK2 Mutation Detection



Sample Requirement : 3mL blood in EDTA

Who is JAK2 V617F Positive ?



People with PV
96%



People with ET
50%



People with MF
50%

PV=Polycythemia vera ET=Essential Thrombocythemia
MF=Myelofibrosis

Test Methodology: Real Time PCR

- Highly specific and sensitive
- High levels of repeatability and reproducibility
- Ease of handling
- Precise



Carrying forward
Dr. Ajit Golwilkar's
legacy
of over
**Four
Decades**

A.G Diagnostics Pvt. Ltd.

SAMPLE COLLECTION FROM HOME
Bringing Trust To
Your Doorstep

Call 020 6763 6763

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Clinical Use

- Detection of V617F mutation in Janus kinase 2 gene (JAK2), the mutation corresponds to a single–nucleotide change of JAK2 nucleotide 1849 in exon 14 of JAK2 gene on chromosome 9.
- Detected in 65 to 97% of patients with polycythaemia vera (PV), 23 to 57% of those with essential thrombocythemia (ET), and 30% to 57% of primary myelofibrosis (PMF).
- As per WHO guidelines presence of JAK2 V617F mutation is one of the criteria for the diagnosis of PV, PMF and ET.
- PV, PMF and ET belong to the group of myeloproliferative neoplasms (MPN) where there is a primary disorder at the level of the multipotent haematopoietic stem cell leading to increased production in one or more blood cell types.
- Positive mutation status is highly suggestive of a myeloproliferative neoplasm but must be correlated with clinical and other laboratory features for definitive diagnosis.
- Negative mutation status does not exclude the presence of a myeloproliferative neoplasm.
- Patients with JAK2 mutations may benefit from novel therapeutic strategies that target and inhibit JAK2 tyrosine kinase activity (eg. Ruxolitinib).

A.G ADVANTAGE

Carrying forward Dr. Ajit Golwilkar's Legacy of over 4 decades

State–Of–The–Art Pathology Laboratory & Diagnostic Centre Spread Across 16000 sq. ft.

NABL Accredited as per ISO 15189:2012, Certificate Number : MC – 3143

Skilled and Experienced Pathologists, Microbiologists & Technical Team

Fully Automated & Barcoded Process, Wide Test Menu

Network of over 50 Collection Centres

Services at your Doorstep: Home Collection by our Expert Phlebotomists & Online Report System

Wellness Centre at Main Lab, Bhandarkar Road, well equipped with ECG, TMT / Stress Test, 2D Echo, X–Ray, USG facilities under one roof, with prior appointment

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