

JAK 2, GENE MUTATION, PCR QUALITATIVE

JAK 2, GENE MUTATION, PCR QUALITATIVE (Real Time PCR)	Not Detected
---	--------------

Note:

1. Limit of detection is 2% of mutant allele
2. This is an in-house developed assay
3. This test is specific for JAK2 V617F/G1849T mutation and does not detect other JAK2 mutations including exon 12
4. Test conducted on Whole blood / Bone Marrow

Comments

Myeloproliferative disorders (MPD) are characterized by molecular abnormalities and based on this information WHO has revised the classification of myeloid neoplasms. JAK2 mutation is one of the major molecular abnormalities identified in exon 14. Exon 12 mutations have also been described but are less frequent.

GENETIC ABNORMALITY	DISEASE	FREQUENCY in %
JAK2 V617F	Polycythemia vera	>95
	Essential Thrombocythemia	60
	Primary Myelofibrosis	60
	MPN, unclassifiable	20
	Refractory anemia with sideroblasts & thrombocytosis (RARS-T)	50
JAK2 exon 12	Polycythemia vera	2