



# Immuno Diagnostics Pvt. Ltd.

Leading Immuno Assays Laboratory of Northern India

NABL ACCREDITED & ISO 9001:2015 CERTIFIED LABORATORY



Reference No.	: - 1912220358	Age/Gender	: 22 Yrs/Male
Pt's Name	: Mr. JAPTESH		AMB-KOS
Referred By	: NA		
Sample Collection Date/Time	: 11-Dec-2019	Date	:11-Dec-2019
Sample Receiving Date/Time	: 11-Dec-2019 03:51AM	Approval Date	:15-Dec-2019 07:26AM
Sample From	: KOS DIAG LAB	Report Print Time	:22-Dec-2019 12:41AM

## Molecular Biology

Test Description	Observed Value	Biological Reference Interval
<b>JAK2 V617F Qualitative PCR*</b>		
JAK2 V617F Qualitative PCR*	Wild/Negative	
<b>Method :</b> Real Time Polymerase chain Reaction (PCR)		

The JAK2 genetic mutation is observed at high frequency in Myeloproliferative disorders(MPD) patients. After recent studies have revealed the relationship between MPD and the JAK2 point mutation, many assays have been developed to screen for the JAK2 mutation (JAK2 V617F) for diagnosis of MPD. The JAK2 V617F mutation can be found in 65~97% of polycythemia vera cases, 23~57% in thrombocythemia cases, and 43~50% in idiopathic myelofibrosis cases

### Interpretation :

**Limit of detection:** 10ng/ul

"Wild": nt no mutation in JAK2 gene

"Heterzygous mutant": partial mutancy in JAK2 gene

"Homozygous mutant": 100% mutancy in JAK2 gene

### Methodology Details :

\* DNA is extracted from samples by US FDA approved Automatic Extraction machine based on magnetic bead technology.

\* Purified DNA is then Amplified and quantified using CE-IVD approved Real time PCR.

\* Extraction and Amplification controls (IC) are incorporated in each run to ensure more accurate and precise detection of mutation.

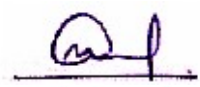
Laboratory is NABL Accredited

\*\*\* End Of Report \*\*\*



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All results should be co-related clinically; if results are alarming or unexpected, contact the laboratory immediately. Not valid for Medico-Legal. Result pertain to the specimen submitted. The Tests with an \* are not accredited by NABL.