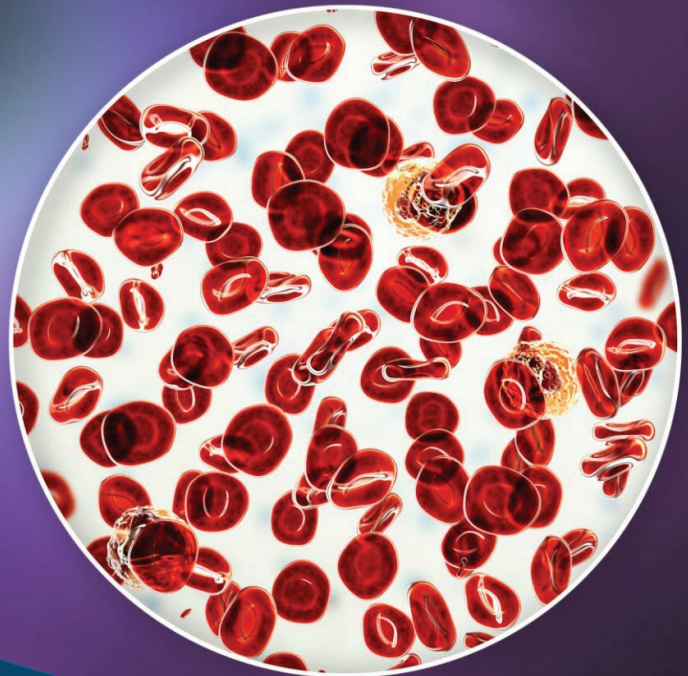


**JAK2 gene
mutation**



JAK2 Sure: JAK2-V617F **Mutation Detection Real-Time PCR Kit**



For sensitive and specific detection of Janus Kinase 2 (JAK2)-V617F allele in DNA samples



High Quality Reagents for Increased Tolerance, Thermostability, and Reproducibility



Turnaround time within 70 minutes



Compatible with all Real-Time PCR Instruments



Make-in-India, cost effective product compared to imported kit



JAK2 Sure : JAK2-V617F Mutation Detection Real-Time PCR Kit

The JAK2 mutation is associated with various blood disorders, particularly myeloproliferative neoplasms (MPNs). The most notable MPNs linked to JAK2 mutations include polycythemia vera (PV), essential thrombocythemia (ET), and primary myelofibrosis (PMF).

- JAK2 Kinase mutation occurs when the amino acid valine at 617 position is replaced by Phenylalanine, which is a common in pathogenesis of Chronic myelogenous leukemia (CML).
- This RT-PCR Kit helps in the qualitative detection of V617F JAK2 allele from the extracted genomic DNA from EDTA Whole blood.

Intended Use: The RT-PCR kit developed by Triviron is used for qualitative detection of V617F –JAK2 allele form mutation in the extracted genomic DNA from the patient specimens.

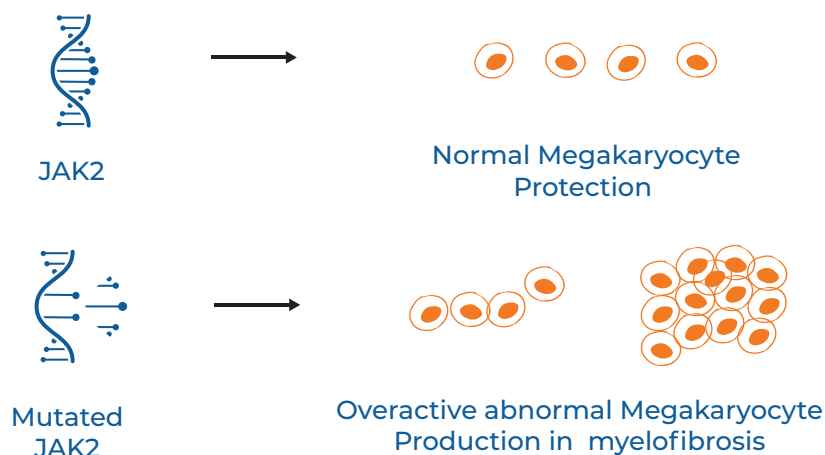
Sample type: Whole Blood EDTA

Available Pack size: Rxn : 25rxn, 50rxn, 100rxn, 500rxn

Principle of the Test:

This kit is based on the real-time PCR utilizing Taqman probe chemistry for the amplification of conserved regions of JAK2 mutant DNA using specific primers and fluorescence labelled probes. The amplified product is detected by the generation of fluorescent signals from target specific fluorescence labelled probes.

Two unique fluorescent dyes are used for JAK2 mutation (FAM) and IC (HEX) target thus allowing the identification of JAK2-V617F mutation with internal control (IC) from sample.



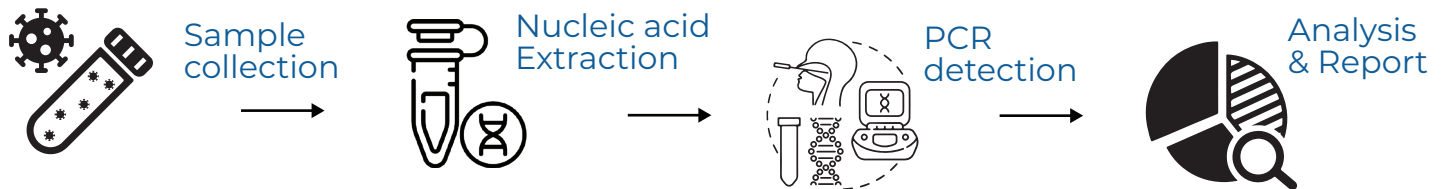
JAK2 Sure : JAK2-V617F Mutation Detection Real-Time PCR Kit

Kit Content

Tube	Content
1	Enzyme Mix
2	JAK2 Primer Probe Mix
3	JAK2 Positive Control
4	JAK2 Internal Control
5	Nuclease Free Water



Assay Workflow



Ordering Information

Product Name	JAK2 RT-PCR Kit	JAK2 RT-PCR Kit	JAK2 RT-PCR Kit	JAK2 RT-PCR Kit
Cat. No.	DVZ-30104	DVZ-30105	DVZ-30106	DVZ-30107
Specification	25rxn/Kit	50rxn/Kit	100rxn/Kit	500rxn/Kit
Specimen	Whole Blood			
Target	JAK2-V617F, Beta actin(IC)			
Storage	-20° C ± 2° C			
Applicable Equipment	QuantStudio-5/3, Bio-Rad CFX96, 384, Applied Biosystems 7300/7500, Roche Diagnostics LightCycler 96/480, Qiagen Rotor-Gene Q			

*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.



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Customer Care Helpline: +91 98400 80008



THPL-VA-BROCH-JAK2-001/01