


JAK2 / MPN Mutation Panel

Synonyms	MPN mutation panel (JAK2V617F, CALR exon 9, MPL W515K/L)
Clinical Indication	JAK2V617F mutations are associated with myeloproliferative neoplasms (MPNs), including polycythemia vera (PV), essential thrombocythemia (ET) and primary myelofibrosis (PMF). MPL mutations are associated with MPNs are restricted to patients with PMF or ET.
Part of Profile / See Also	MPN mutation panel (JAK2V617F, CALR exon 9, MPL W515K/L)
Request Form	Pathology manual blood form, ICE request or Barts SIHMDS form.
Availability / Frequency of Analysis	Monday to Thursday. Urgent samples only on Friday. Referred test: Analysed by Barts Health - 8285
Turnaround Time	Within 4 weeks
Patient Preparation	None required
Sample Requirements	
Specimen Type	Whole blood or Bone Marrow (EDTA)
Volume	3 or 4 mL.
Container	 Purple top (EDTA) tube.
Reference Range & Units	JAK2, CALR and MPL reported as variant detected/not detected
Interferences	Prolonged storage
Interpretation & Clinical Decision Value (if applicable)	Interpretative comment on each individual report.
References	Barts Health SIHMDS User guide
Test code	JAK2
Lab Handling	Can be stored refrigerated until next routine. Send by courier to the referral laboratory within 72 hours of collection.



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