

Dr. Vinay Chopra
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 Chairman & Consultant Pathologist

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NAME	: Mrs. KULPREET BHATIA	PATIENT ID	: 1680634
AGE/ GENDER	: 48 YRS/FEMALE	REG. NO./LAB NO.	: 012411230059
COLLECTED BY	:	REGISTRATION DATE	: 23/Nov/2024 06:44 PM
REFERRED BY	:	COLLECTION DATE	: 23/Nov/2024 06:45PM
BARCODE NO.	: 01521333	REPORTING DATE	: 23/Nov/2024 06:49PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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SPECIAL INVESTIGATIONS

IMMATURE PLATELET FRACTION (IPF) WITH OTHER PREDICTIVE MARKERS

IMMATURE PLATELET FRACTION (IPF) AND OTHER PREDICTIVE MARKERS

IMMATURE PLATELET FRACTION (IPF) <i>by FLOURESCENT FLOW CYTOMETRY</i>	24.8 ^H	%	1.0 - 9.0
PLATELET COUNT (PLT) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE & MICROSCOPY</i>	20000 ^L	/cmm	150000 - 450000
PLATELET LARGE CELL COUNT (P-LCC) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE & MICROSCOPY</i>	8000 ^L	/cmm	30000 - 90000
MEAN PLATELET VOLUME (MPV) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE & MICROSCOPY</i>	11	fL	6.50 - 12.0
PLATELETCRIT (PCT) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE & MICROSCOPY</i>	0.02 ^L	%	0.10 - 0.36
PLATELET LARGE CELL RATIO (P-LCR) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE & MICROSCOPY</i>	42.9	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE & MICROSCOPY</i>	16	%	15.0 - 17.0




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INTERPRETATION:

1. The immature platelet fraction (%IPF) is a modern parameter that measures young and thereby reticulated platelets in peripheral blood.
2. The reference range is approximately 1 to 5% of the total platelet count.
3. IPF levels rise as bone marrow production of platelets increases.
4. There is a high clinical utility of the % IPF in the laboratory diagnosis and treatment of thrombocytopenia due to the ability to relate raised % IPF levels with increased peripheral platelet destruction.

BENEFITS OF IMMATURE PLATELET FRACTION (IPF):

1. It is particularly useful for supporting the diagnosis of autoimmune thrombocytopenic purpura, thrombotic thrombocytopenic purpura and for distinguishing these from bone marrow suppression or failure, dengue. In the case of the latter, the %IPF value would be low.
2. A single value IPF more than 10% was indicative of platelet recovery within 24-48 Hours. A positive correlation was observed among immature platelet fraction (IPF) level and the recovery of platelets in those patients with dengue.
3. The IPF count supports clinicians in differentiating between consumptive versus productive reasons for thrombocytopenia and helps avoid a bone marrow biopsy with obvious benefits for the patient

IPF - A UNIQUE PARAMETER FOR FOLLOWING REASONS:

1. Automated, easy to perform, standardized results
2. Inexpensive
3. Results available 24/7 for rapid response to clinicians
4. Could reduce time and cost of diagnosis of thrombocytopenia by the physician
5. May provide useful information for tailoring treatment regimens by allowing clinicians to link treatment options to mechanisms of low cell counts
6. Provides the clinician with valuable information in the assessment of the mechanism of newly discovered thrombocytopenias and secondary thrombocytopenias (HIV, Hepatitis C, drugs etc.)

*** End Of Report ***




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