

	Fasting	Normal values		Observation
Complete Blood Count (CBC)	Fasting not essential			
RBC (Erythrocytes)	No	M-4.5-6.4 F-4.0-5.4	Mil. / c. mm	If less: anemia
Haemoglobin	No	M-14-18 F-12-16.4	Gm / 100 ml	
PCV (RBC)	No	M-42-52 F-37-47	%	
MCV (Mean corpuscles volume)	No	78-94	Fl. Cu	Type of anemia
MCH	No	27-32		
MCHC	No	32-38	Gms/dl %	
WBV (Leucocytes)	No	4000- 11000	Per c. mm	If less-susceptibility to infection
				If very high in Lacs- Leukemia
Differential WBC count	No		%	
Neutrophils		60-75		If more-acute infection
Lymphocytes		20-30		If more-chronic infection
Monocytes		2-8		If more-T.B. Typhoid, urinary infection
Eosinophils		1-6		If more-allergy, cough, cold, asthma, and worms.
Basophils		0-1		Led poisoning, Leukemia
Abnormal cells				
Platelets	No	150000- 450000	Cu. Mm	If less-bleeding disorder, dengue.
Peripheral smear	No			
Morphology of:				
RBC	No	Normochromic /Hypochromic / Anisocytosis		
Observation		Normal / Anaemia /size of RBC differs		
WBC	No			
Blood Parasites	No			MP, Filaria
Reticulocytes	No	0.5-1.5 / 0.2-2.2		If more-anemia
Color Index	No	0.85-1.15		
In bacterial infection with fever, WBC count goes up. E.g. Tonsillitis, sinusitis, bronchitis, Pneumonia, appendicitis, urinary infection ---12000-25000 WBC, In Typhoid & viral infection – WBC may be normal.				