

Investigations list

Sl. No.	Investigations	Methodologies	Initial Screening	30th Day	60th day	90th Day
1	Hemoglobin	Sodium Lauryl Sulphate - Hb Method	✓	✓	✓	✓
2	T.L.C. :	Flowcytometry/Impedance	✓			✓
3	DC					
	N%	Flowcytometry	✓			✓
	E%	Flowcytometry	✓			✓
	B%	Flowcytometry	✓			✓
	L%	Flowcytometry	✓			✓
	M%	Flowcytometry	✓			✓
4	RBC count	Flow Cytometry/Impedance Technology	✓			✓
5	Platelet count	Impedance Technology	✓			✓
6	E.S.R.	Capillary Photometry	✓			✓
7	Reticulocyte count	Microscopy (New Methylene Blue)	✓			✓

8	MCV	Calculated	✓			✓
9	MCH	Calculated	✓			✓
10	MCHC	Calculated	✓			
11	PCV	Calculated	✓			✓
12	RDW	Calculated	✓			✓
13	PBS · Normocytic Normochromic · Normocytic Hypochromic · Macrocytic Normochrom · Macrocytic Hypochromic · Microcytic Hypochromic · Any other	Leishman Stain & Microscopy	✓			
14	S. Ferritin	Chemiluminescence	✓			✓
15	S. Iron	TPTZ (2,4,6- Tri- (2-pyridyl)-5-triazine)	✓			✓
16	TIBC	Calculated	✓			✓
17	Transferrin saturation	Calculated	✓			✓
18	Fasting Blood Sugar (FBS)	Hexakinase	✓			✓
19	Blood Urea	UREASE UV/GLDH	✓			✓
20	Serum Uric Acid	Uricase	✓			✓

21	Serum Creatinine :	JAFFES Kinetic – Alkaline Picrase	✓			✓
22	S.G.O.T. (A.S.T.)	UV with P5P, IFCC	✓			✓
23	S.G.P.T. (A.L.T.):	UV with P5P, IFCC	✓			
24	Total protein:	BIURET	✓			✓
25	S. Albumin:	BCG(Serum)-Colorimetric	✓			✓
26	S. Globulin:	Calculated	✓			✓
27	A/G ratio:	Calculated	✓			✓
28	Total Bilirubin	Dichlorophenyl Diazonium Tetra fluorobrate	✓			✓
29	Conjugated bilirubin	Dichlorophenyl Diazonium Tetra fluorobrate	✓			✓
30	Unconjugated bilirubin	Calcualted	✓			✓
31	Serum Alkaline Phosphatase	IFCC AMP buffer	✓			✓
32	Serum Cholesterol	CHO-POD	✓			✓
33	Serum Triglycerides	Glycerol phosphate oxidase (GPO)	✓			✓
34	HDLc	Direct-Immuno-inhibition	✓			✓
35	LDLc	Direct, Peroxidase-Oxidase reaction	✓			
36	VLDL	Calculated	✓			✓

37	Serum Cholesterol/ HDL ratio	Calculated	✓			✓
38	S.T3	Chemiluminescence	✓			✓
39	S.T4	Chemiluminescence	✓			
40	S.TSH	Chemiluminescence	✓			✓
41	Hb A1c %	HPLC (High performance Liquid Chromatography)	✓			✓
42	UPT	Rapid Chromatographic Immunoassay	✓			
Total number of participants			200-250	120	120	120

Initial Screening: Approx 250 participants

Hb% at 30th, 60th day: 120 participants

All investigations at 90th day: 120 participants