

Equipped With :-

- Two Haematology Cell Counters Sysmex KX-21, Micros-60
- Fully Automated Biochemistry Analyser-Konelab-20
- Fully Automated MINIVIDAS, Enzyme Immunoassay
- Chemiluminescence Immunoassay-Lumax
- Coagulometer-CoaDATA-501
- AVL Electrolyte Analyser-AVL-9080
- Three Semiautomated Biochemistry Analysers.

Dr. Rajesh G. Kolte

M.D. Pathology

Consulting Pathologist

KALPANA PATHOLOGY LABORATORY Pvt. Ltd.

Plot No. 2, Opp. Dr. Naval Hospital, Near Godavari Hospital & Bhaskar Market,
M. J. College Road, JALGAON. Ph.No. 2236002, 2221515, 2220533 Fax : (0257) 2236006

NAME : MR. Vikassing Thakur

AGE : 40 YEARS SEX : Male

REF BY : Dr Amit Rajput, M.D. Diabetologist

DATE : 15/01/2015

HAEMOGRAM

(Performed on fully Automated Horriba-Micros60 Haematology Analyser)

TESTS	RESULTS	REF RANGE
Haemoglobin	: 15.4 gm%	13.8 - 18

RBC Indices

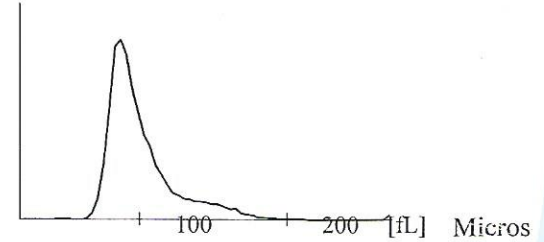
R.B.C. count	: 5.6 mil./cmm.	4.5 - 6.5
Haematocrit (HCT)	: 46.4 %	40 - 54
MCV	: 83.0 fL	76 - 96
MCH	: 27.5 pg	27 - 32
MCHC	: 33.2 gm/dl	32 - 36
RDW-SD	: 12.2	11 - 16
Total WBC Count	: 8900 /cmm	4000 - 12000

DIFFERENTIAL COUNT

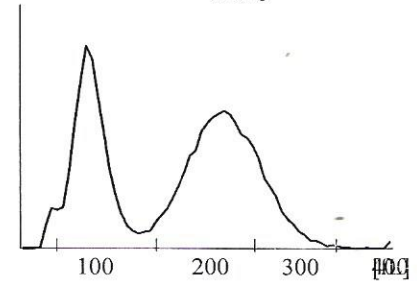
Neutrophil	: 63 %	35 - 75
Lymphocytes	: 34 %	18 - 44
Eosinophil	: 02 %	00 - 03
Monocytes	: 01 %	00 - 10
Band Cells	: 00 %	00 - 03
Basophil	: 00 %	00 - 01

Platelet Count	: 221000 /cmm	150000 - 450000
Platelets on Smear	: Adequate	
PDW	: 14.1 fL	11.0 - 17.0
M.P.V.	: 7.6 fl	06 - 18
P-LCR	: 22.7	9.0 - 43.5
WBC Morphology	: Within Normal Limits	
RBC Morphology	: Normocytic Normochromic	
Malarial Parasite	: Not Detected	
ESR (On Electa Lab)	: 10 mm1stHr	0 - 10 ←

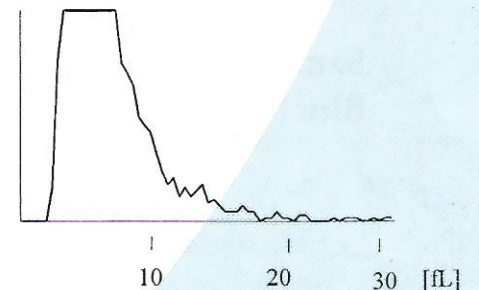
RBC



WBC

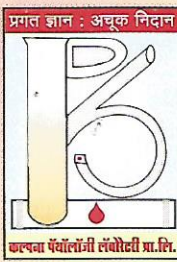


PLT



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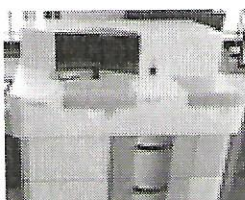
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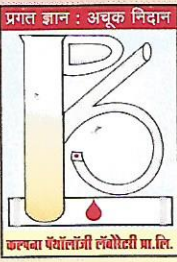
**BIOCHEMISTRY**

TESTS	RESULTS	UNITS	REFERENCE RANGE
<u>F/PP BLOOD SUGAR</u>			
Fasting Blood Sugar	: 173	mg/dl	60 - 110 ←
Fasting Urine Sugar	: Nil		
Post Pr. Blood Sugar	: 265	mg/dl	90 - 140 ←
Post Pr. Urine Sugar	: Present++++ (2000mg/dl)		
Method	: Glucose Oxidase / Peroxidase Enzyme-Read on Konelab-20 Fully Automated Biochemistry Analyser		
<u>BLOOD UREA LEVEL</u>			
Blood Urea Level (BUL)	: 25.0	mg/dl	15 - 45
Blood Urea Nitrogen	: 11.68	mg/dl	06 - 21
Serum CREATININE	: 0.67	mg/dl	0.6 - 1.4



Konelab 20 Fully Automated Analyser

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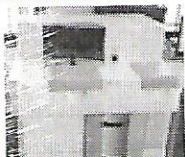
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LIPID PROFILE

<u>TESTS</u>	<u>RESULTS</u>	<u>UNIT</u>	<u>REFERENCE RANGE</u>
<u>LIPID PROFILE</u>			
Serum Appearance	: Clear		Clear
S. Cholesterol	: 225		Expected < 200mg/dl ← Borderline 200-250mg/dl High > 250mg/dl
S. Triglycerides	: 229		Expected: < 150mg/dl ← Borderline: 150-200mg/dl High: > 200mg/dl
HDL Cholesterol	: 44	mg/dl	35.3 - 79.5
LDL Cholesterol(Direct)	: 135.2		Expected: < 120 mg/dl High: 121-139 mg/dl High risk: > 140mg/dl
VLDL Cholesterol	: 45.8	mg/dl	7 - 35 ←
HDL C/LDL C RATIO	: 0.25		Expected: > 0.3, Ideal: > 0.4
S.Cholesterol/HDLC Ratio	: 5.11		

Konelab-20



Minividas System

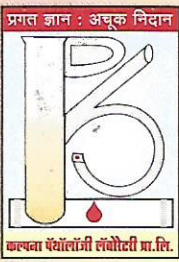


AVL: Electrolytes



Coagulometer

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GLYCOSYLATED HAEMOGLOBIN (HBA1C)**TESTS****RESULTS****REFERENCE RANGE****Blood Glycosylated Haemoglobin(HBA1c)**

Result : 10.4

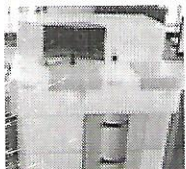
Normal:-4.0-5.5%

Good Diabetic Control:-5.5-6.5%

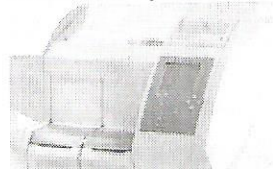
Fair Diabetic Control:-6.5-7.5%

Poor Control>7.5%

Kenelab-20



Minividas System

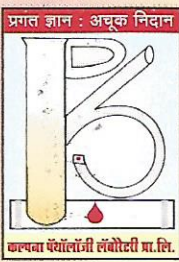


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THYROID STIMULATING HORMONE (TSH)**TESTS****RESULTS****REFERENCE RANGE****Thyroid Stimulating Hormone(TSH,Ultrasensitive)**T.S.H.(Ultrasensitive) : 0.97 micro IU/ml N.R. 0.25 - 5.00 μ IU/mlMethod : **Enzyme Linked Immunofluorescence Assay on Fully Automated Minividas****Interpretation Criteria**

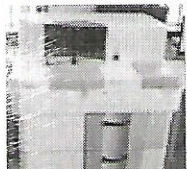
Euthyroid : If TSH:-0.25-5.0 microIU/ml

Hypothyroid : If TSH:->5.0 microIU/ml

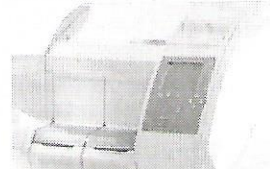
Hyperthyroid : If TSH:-<0.25 microIU/ml

Note-1 : Higher levels indicate Hypothyroidism
or inetrference by drugs
likeDomperidon,amiodazoneiodide,phenobarbital,PhenytoinNote-2 : Low levels indiacate Hyperthyroidiam
or Interference by Propranolol,methimazole,dopamine and
Thyroxine Therapy

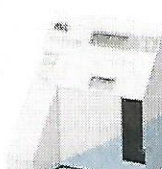
Konelab-20



Minividas System

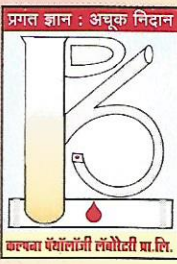


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**BIOCHEMISTRY****TESTS RESULTS UNITS REFERENCE RANGE****LIVER FUNCTION TEST**

Bilirubin- Total	: 0.78	mg%	0 - 1.2
Bilirubin- Direct	: 0.30	mg%	0 - 0.3
Bilirubin- Indirect	: 0.48	mg%	0.1 - 1.0
SGPT	: 42	IU/L	5 - 40
SGOT	: 24	IU/L	8 - 37
Alkaline Phosphatase	: 73		Women:-20-50yrs:28-78IU/L,>60yrs: :40-111IU/L Men:- 20-50yrs:38-94IU/L,>60yrs:43-88IU /L Neonates0-5yrs:60-321IU/L, 5-16yrs67-382IU/L
Total Protein	: 6.9	gm/dl	5 - 8
Albumin	: 4.1	gm/dl	3.5 - 5
Globulin	: 2.8	gm/dl	2.3 - 3.5



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