



**LABORATORY INVESTIGATION REPORT**

<b>Patient Name</b> : Mrs. Sayoni Bose Patra	<b>Age/Sex</b> : 29 Year(s)/Female
<b>UHID</b> : NMHK.2202034	<b>Order Date</b> : 17/02/2022 12:07
<b>Episode</b> : OP	
<b>Ref. Doctor</b> : NMH	<b>Mobile No</b> : 9831270208
<b>Address</b> : 86/4 BANERJEE PARA ROAD , SARSUNA Kolkata, West Bengal , 700061	<b>Facility</b> : NARAYAN MEMORIAL HOSPITAL

**Biochemistry**

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0057488	Collection Date : 17/02/22 12:11	Ack Date :	Report Date : 17/02/22 18:11

**LIVER FUNCTION TEST ( LFT )**

**SAMPLE : SERUM**

TOTAL BILIRUBIN <i>Diazo Method</i>	0.7	mg/dl	0 - 1.1
DIRECT BILIRUBIN <i>Diazo Method</i>	0.2	mg/dl	0 - 0.2
INDIRECT BILIRUBIN <i>Calculated</i>	0.5	mg/dl	0.2 - 0.9
SGPT (ALT) <i>IFCC Without Pyridoxal Phosphate</i>	14	U/L	0 - 34
SGOT (AST) <i>IFCC Without Pyridoxal Phosphate</i>	19	U/L	0 - 31
ALKALINE PHOSPHATASE <i>IFCC</i>	71	U/L	53 - 128
TOTAL PROTEIN <i>Biuret</i>	7.7	g/dl	6.4 - 8.2
ALBUMIN <i>Bromocresol Green</i>	4.7	gm/dl	3.5 - 5.2
GLOBULIN <i>Calculated</i>	3.0	g/dl	2 - 3.5
ALBUMIN:GLOBULIN <i>Calculated</i>	1.6	-	1.1 - 2.5
GGT <i>Enzymatic colorimetric assay</i>	11	U/L	5 - 36

End of Report



**Dr.S. Chatterjee**  
**MD, MBBS, FAACC**  
(CONSULTANT BIOCHEMIST)

Checked By





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Kolkata, West Bengal , 700061

Biochemistry


INVESTIGATION RESULTS UNITS BIOLOGICAL REF RANGE  
Sample No : 07H0057488 Collection Date : 17/02/22 12:11 Ack Date : Report Date : 17/02/22 18:11

LIPID PROFILE

SAMPLE : SERUM

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
TOTAL CHOLESTEROL	136	mg/dl	Desirable <200   Borderline 200-239   High >=240
<i>CHOD-PAP</i>			
HDL CHOLESTEROL	49	mg/dl	40 - 60
<i>Homogenous Enzymatic Colorimetric</i>			
LDL CHOLESTEROL	79	mg/dl	Optimal < 100   Borderline 130
<i>Homogenous Enzymatic Colorimetric</i>			
VLDL	13.40	mg/dl	0 - 30
<i>CALCULATED</i>			
CHOLESTEROL-HDL RATIO	2.78	-	
LDL-HDL RATIO	1.61	-	
TRIGLYCERIDES	67	mg/dl	Desirable <150   Borderline 150 - 200   High >200
<i>Enzymatic Colorimetric</i>			

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(CONSULTANT BIOCHEMIST)

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**Immunoassay**

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0057488	Collection Date : 17/02/22 12:11	Ack Date :	Report Date : 17/02/22 15:59

**THYROID FUNCTION TEST**

**SAMPLE : SERUM**

T3 ECLIA	1.23	ng/ml	0.60 - 1.80
T4 ECLIA	8.72	ug/dL	5.40 - 11.70
TSH ECLIA	5.21	uIU/ml	Adult Male – 0.27-5.50 Adult Female – 0.27-5.50 Newborns - <25 Upto 12 years – 0.3-5

*Interpretations:*

- For diagnostic purposes, the result should always be assessed in conjunction with the patient's medical history, clinical examinations and other findings.
- The assay is unaffected by icterus (Bilirubin < 701 µmol/L or < 41 mg/dL), hemolysis (Hb < 0.621 mmol/L or < 1 g/dL), lipemia (Intralipid < 1500 mg/dL), biotin (<102 nmol/L or < 25 ng/ml), IgG < 2 g/dL and IgM < 0.5 g/dL)
- There is no high dose hook effect at TSH concentrations upto 1000 µmol/ml.
- TSH values may be transiently altered because of non thyroidal illness like several infections, liver disease, renal and heart failure, several burns, trauma and surgery etc. Drugs that decrease TSH values e.g. L-dopa, Glucocorticoid drugs that increase TSH values e.g. Iodine, Lithium, Amiodarone.
- The assay is unaffected by icterus (bilirubin < 633 µmol/L or < 37 mg/dl), hemolysis (Hb < 1.4 mmol/L or < 2.3 g/dl), lipemia (triglycerides < 28.5 mmol/L or 2500 mg/dl) and biotin (< 409 nmol or < 100 ng/ml).
- The assay is unaffected by icterus (bilirubin < 599 µmol/L or < 35 mg/dl), hemolysis (Hb < 1.2 mmol/L or < 2.0 g/dl), lipemia (Intralipid < 1800 mg/dl) and biotin (< 123 nmol or < 30 ng/ml).

End of Report



**Dr.DIP NARAYAN MUKHERJEE**  
MD(Microbiology)  
RegNo: Reg no. 57062  
Checked By

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**Hematology**

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0057488	Collection Date : 17/02/22 12:11	Ack Date :	Report Date : 17/02/22 16:17

**COMPLETE HAEMOGRAM ( CBC )**

**SAMPLE : EDTA BLOOD**

HAEMOGLOBIN (HB) <i>Colorimetric method (Cyn Meth)</i>	<b>11.8 ▼</b>	gm/dl	12 - 15
RBC COUNT <i>Electrical Impedance Method</i>	4.44	x10 <sup>6</sup> /ul	3.8 - 4.8
TOTAL WBC COUNT <i>Electrical Impedance Method</i>	5.0	10 <sup>3</sup> /cmm	4 - 10
PLATELET COUNT <i>Electrical Impedance Method</i>	250	10 <sup>3</sup> /cmm	150 - 410
PCV <i>RBC pulse ht. detection method</i>	37	%	36 - 46
MCV <i>calculated</i>	<b>82 ▼</b>	fl	83 - 101
MCH <i>Calculated</i>	27	pg	27 - 32
MCHC <i>Calculated</i>	32	gm/dl	31.5 - 34.5
ESR <i>Modified Westergren Method</i>	<b>24 ▲</b>	%	0 - 12

**DIFFERENTIAL COUNT**

NEUTROPHILS <i>Microscopy</i>	50	%	40 - 80
LYMPHOCYTES <i>Microscopy</i>	<b>44 ▲</b>	%	20 - 40
MONOCYTES <i>Microscopy</i>	03	%	2 - 10
EOSINOPHILS <i>Microscopy</i>	<b>03 ▼</b>	%	1 - 6
BASOPHILS <i>Microscopy</i>	00	%	0 - 2

**PERIPHERAL BLOOD SMEAR**

RBC	Normocytic normochromic
WBC	Within normal limits
PLATELET	Adequate

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End of Report

*Angkita K. Ghosh*

**Dr. ANGKITA K. GHOSH**  
**MBBS, MD(PATH)**  
(CONSULTANT PATHOLOGIST)

RegNo: 82734

Checked By



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**Immunology**

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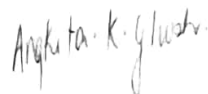
**BLOOD GROUPING & Rh TYPING**

**SAMPLE : EDTA BLOOD**

BLOOD GROUP ' AB '  
*Agglutination forward & Reverse*

RH TYPE POSITIVE

End of Report



**Dr. ANGKITA K. GHOSH**  
**MBBS, MD(PATH)**  
(CONSULTANT PATHOLOGIST)  
RegNo: 82734  
Checked By







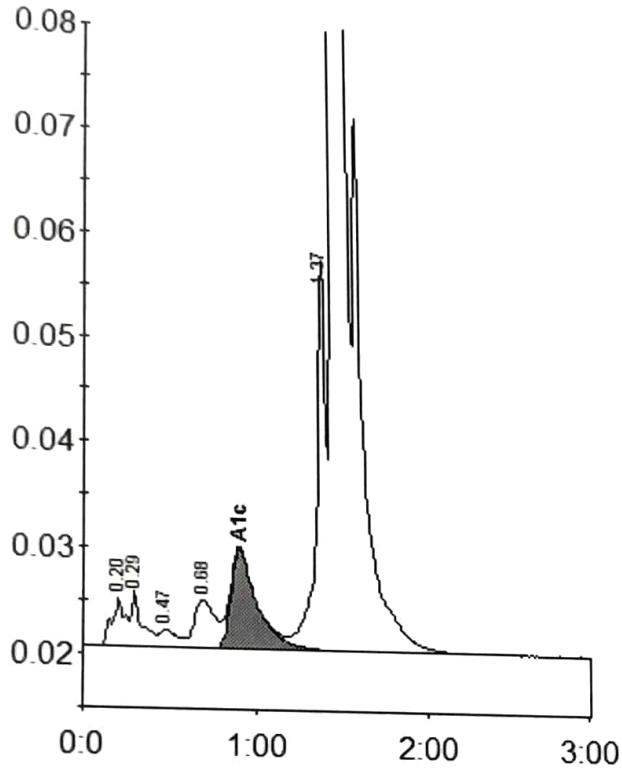
# Patient report

Bio-Rad DATE: 17/02/2022  
 D-10 TIME: 16:35  
 S/N: #DJ0A467747 Software version: 4.30-2  
 Sample ID: 07H0057488A  
 Injection date: 17/02/2022 15:56  
 Injection #: 11 Method: HbA1c  
 Rack #: --- Rack position: 8

Mrs. Sayoni Bose Patra  
 (R)NMHK. 2202034 29y/ F



07H0057488A  
 EDTA Wh 17-02 12:11



Peak table - ID: 07H0057488A

Peak	R.time	Height	Area	Area %
A1a	0.20	4484	24558	0.9
A1b	0.29	5243	22160	0.8
F	0.47	1681	11491	0.4
LA1c/CHb-1	0.68	4557	37555	1.3
A1c	0.89	9479	100431	4.9
P3	1.37	37238	143215	5.1
A0	1.44	822797	2485835	88.0
Total Area:			2825245	

Concentration:	%	mmol/mol
A1c	4.9	30

## DIAGNOSTICS REPORT

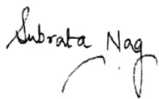
Patient Name	: Mrs. Sayoni Bose Patra	Order Date	: 17/02/2022 12:07
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### X-RAY CHEST PA VIEW

No active lung parenchymal lesion is seen.  
Both hila are normal in position, size and density.  
Cardiothoracic ratio appear normal.  
Trachea and mediastinum are normal in position.  
Both costo-phrenic angles are clear.  
Domes of diaphragm are normal in position and outlines are well delineated.  
Bony thorax appears unremarkable .

**IMPRESSION : - No significant lung parenchyma abnormality.**

**Needs clinical correlation.**



**Dr.SUBRATA NAG , MBBS,DNB,Fellow  
intervention/endovascular surgery**

RegNo: 66718



## DIAGNOSTICS REPORT

Patient Name	: Mrs. Sayoni Bose Patra	Order Date	: 17/02/2022 12:07
Age/Sex	: 29 Year(s)/Female	Report Date	: 17/02/2022 13:39
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### USG REPORT OF WHOLE ABDOMEN

**LIVER** : Liver is normal in size and parenchymal echotexture. Intrahepatic biliary radicles are not dilated. No focal mass lesion is seen.

**PORTA :PV** : Normal. PV measures 0.8 cm.

**CD** : Normal . CD measures 0.4 cm.

**GALL BLADDER** : Gall bladder is normal in size, contour, outline and position. Wall thickness is normal. **An echogenic calculus measuring 1.6 cm approx is noted in GB lumen.**

**PANCREAS** : Pancreas is normal in size and parenchymal echogenicity. Pancreatic duct is not dilated.

**SPLEEN** : Spleen is not enlarged and parenchyma shows normal homogeneous pattern.

**KIDNEYS** : Both kidneys are normal in size, shape, outline, position and parenchymal echogenicity. Corticomedullary differentiation is maintained. No evidence of any calculus/ mass / hydronephrosis is seen. Right kidney measures : 11.1 cm & Left kidney measures : 11.2 cm.

**URINARY BLADDER** : Urinary bladder is normal in contour, outline and distension. No vesical lesion is seen.

**UTERUS** : Anteverted normal in size, shape, outline, position and parenchymal echogenicity. Cavity is empty. Uterus measures 8.6 cm x 5.7 cm x 3.4 cm.

DIAGNOSTICS REPORT

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Sayoni Bose Patra, 29y/f

**OVARIES** : Both ovaries are normal in size, shape and echopattern.  
Right ovary : measures 3.4 cm x 1.3 cm.  
Left ovary : measures 3.7 cm x 3.1 cm.

**PERITONEUM** : No free fluid is noted.

**RETROPERITONEUM** : IVC and aorta appear normal. No lymphadenopathy is seen.

**IMPRESSION** : Cholelithiasis.

Dr. MADHUSHREE RAY NASKAR,  
MBBS,DMRD

Consultant Radiologist

RegNo: 57032

## DIAGNOSTICS REPORT

Patient Name	: Mrs. Sayoni Bose Patra	Order Date	: 17/02/2022 12:07
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### 2D ECHOCARDIOGRAPHY WITH M-MODE MEASUREMENTS

#### 2D and M-Mode :

IVS (d)	10 mm	Aorta (at sinuses)	27 mm
LVID (d)	47 mm	LA diameter	32 mm
LVPW (d)	10 mm	RVID (d) - basal	14 mm
LVID (s)	28 mm	TAPSE	24 mm
LVEF	64 %		

Estimated PASP = 20 mmHg

### FINDINGS

#### Left Ventricle :

Cavity size : Normal.

Wall thickness : Normal.

Segmental wall motion : No abnormality found.

Global systolic function : Normal (EF = 64 %)

Diastolic function : Normal

**Left Atrium** : Normal sized; no clot in body of appendage.

**Right Ventricle and Right Atrium** : Normal sized; normal RV systolic function.

**Mitral Valve** : Normal leaflets, good excursion, normal subvalvular apparatus. No regurgitation / No MS.

**Aortic valve** : Structurally normal, trileaflet, normal motion, no regurgitation.

**Pulmonary Valve** : Normal structure, adequate opening.

**Tricuspid Valve** : Normal structure, normal excursion. Trivial TR. TR gradient = 15



### DIAGNOSTICS REPORT

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mmHg.

**Interartial and Interventricular Septum** : No breech could be seen.

**Aorta** : Normal sized root and proximal aorta.

**Pulmonary Artery** : Normal, no pulmonary arterial hypertension.

**Pericardium** : Normal, no effusion.

**Inferior Vena Cava** : IVC normal diameter, > 50% respiratory variation.

**Others** : No thrombus, mass, vegetation seen.

#### IMPRESSION:

##### Status of Patient :

- \* No regional wall motion abnormality at rest.
- \* Good LV systolic function (EF = 64 %).
- \* Good RV systolic function (TAPSE = 24 mm).
- \* Normal valve morphology.
- \* Normal LV diastolic function.
- \* No pericardial effusion.
- \* No pulmonary arterial hypertension.



Dr.INDIRA BANERJEE,  
MD,DNB,MRCPC (UK)

Board Certified Comprehensive  
Echocardiographer (USA)



## DIAGNOSTICS REPORT

Patient Name	: Mrs. Sayoni Bose Patra	Order Date	: 17/02/2022 12:07
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### ELECTROCARDIOGRAM REPORT (ECG)

HR	: 91 bpm
Rhythm	: Sinus
P wave	: Normal
PR Interval	: 128 msec
QRS axis	: Normal (31 Degree)
QRS duration	: 74 msec
QRS configuration	: Normal
T wave	: Non specific changes
ST segment	: Non specific changes
QTc	: 413 msec
QT	: 330 msec

#### IMPRESSION:

- Sinus rhythm. Normal QRS axis.
  - Low limb lead voltage.
  - Non specific ST-T changes.
- Clinical correlation please.



**Dr.INDIRA BANERJEE,**  
**MD,DNB,MRCPCH (UK)**

Board Certified Comprehensive  
Echocardiographer (USA)

SRAVANI BOSE PATRA

NMHK2202034

Female

29 years

cm / kg

HR 91/min

Intervals:  
RR 656 ms  
P 96 ms

PR 128 ms  
QR5 74 ms  
QT 330 ms  
QTc 413 ms  
(Bazett)

10 mm/mV

Axis:  
P 60°  
QR5 31°  
T -22°

P (II) 0.09 mV  
S (V1) -0.73 mV  
R (V5) 0.97 mV  
Sokol. 1.70 mV

SINUS RHYTHM  
LOW LIMB LEAD VOLTAGE  
6.02

UNCONFIRMED REPORT

