

 Patient Name
 : BINOY SUBBA
 Ref Dr.
 : Dr.MEDICAL OFFICER

 Age
 : 31 Y 9 M 22 D
 Collection Date
 : 10/Sep/2023 01:18PM

 Gender
 : M
 Report Date
 : 11/Sep/2023 02:05PM



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit	
GLUCOSE,PP , BLOOD, NAF PLASMA	121	75-140	mg/dl	
(Method:Hexokinase Method)			-	

*** End Of Report ***

DR. SANJAY KR. AGARWALA MD CONSULTANT BIOCHEMIST









: SG2/10-09-2023/SR8142929 Lab No. Lab Add. : Newtown Kolkata-700156

Patient Name : BINOY SUBBA Ref Dr. : Dr.MEDICAL OFFICER : 31 Y 9 M 22 D **Collection Date** : 10/Sep/2023 09:21AM Age Gender Report Date : 11/Sep/2023 08:16PM



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit
GLYCATED HAEMOGLOBIN (HBA1C),	EDTA WHOLE BLOOD		
GLYCATED HEMOGLOBIN (HBA1C)	5.4	***FOR BIOLOGICAL REFERENCE INTERVAL DETAILS , PLEASE REFER TO THE BELOW MENTIONED REMARKS/NOTE WITH ADDITIONAL CLINICAL INFORMATION ***	%
HbA1c (IFCC) (Method:HPLC)	35.0		mmol/mol

Clinical Information and Laboratory clinical interpretation on Biological Reference Interval:

Low risk / Normal / non-diabetic : <5.7% (NGSP) / < 39 mmol/mol (IFCC) Pre-diabetes/High risk of Diabetes: 5.7%-6.4% (NGSP) / 39 - < 48 mmol/mol (IFCC) : >/= 6.5% (NGSP) / > 48 mmol/mol (IFCC) Diabetics-HbA1c level

Analyzer used: Bio-Rad-VARIANT TURBO 2.0

Method: HPLC Cation Exchange

Recommendations for glycemic targets

- Ø Patients should use self-monitoring of blood glucose (SMBG) and HbA1c levels to assess glycemic control.
- Ø The timing and frequency of SMBG should be tailored based on patients' individual treatment, needs, and goals.
- Ø Patients should undergo HbA1c testing at least twice a year if they are meeting treatment goals and have stable glycemic control.
- Ø If a patient changes treatment plans or does not meet his or her glycemic goals, HbA1c testing should be done quarterly.
- Ø For most adults who are not pregnant, HbA1c levels should be <7% to help reduce microvascular complications and macrovascular disease. Action suggested >8% as it indicates poor control.
- Ø Some patients may benefit from HbA1c goals that are stringent.

Result alterations in the estimation has been established in many circumstances, such as after acute/ chronic blood loss, for example, after surgery, blood transfusions, hemolytic anemia, or high erythrocyte turnover; vitamin B₁₂/ folate deficiency, presence of chronic renal or liver disease; after administration of high-dose vitamin E / C; or erythropoietin treatment.

Reference: Glycated hemoglobin monitoring BMJ 2006; 333;586-8

References

- Chamberlain JJ, Rhinehart AS, Shaefer CF, et al. Diagnosis and management of diabetes: synopsis of the 2016 American Diabetes Association Standards of Medical Care in Diabetes. Ann Intern Med. Published online 1. March 2016. doi:10.7326/M15-3016.
 2. Mosca A, Goodall I, Hoshino T, Jeppsson JO, John WG, Little RR, Miedema K, Myers GL, Reinauer H, Sacks DB, Weykamp CW. International Federation of Clinical Chemistry and Laboratory Medicine, IFCC
- Scientific Division. Global standardization of glycated hemoglobin measurement: the position of the IFCC Working Group. Clin Chem Lab Med. 2007;45(8):1077-1080.

PDF Attached

*** End Of Report ***

Dr. SANCHAYAN SINHA MBBS, MD, DNB (BIOCHEMISTRY) CONSULTANT BIOCHEMIST

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 Patient Name
 : BINOY SUBBA
 Ref Dr.
 : Dr.MEDICAL OFFICER

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 : 31 Y 9 M 22 D
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 : 10/Sep/2023 11:11AM

 Gender
 : M
 Report Date
 : 12/Sep/2023 07:39PM



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit	
URIC ACID, URINE, SPOT URINE				
URIC ACID, SPOT URINE (Method:URICASE)	29.30	37-92 mg/dL	mg/dL	
ESTIMATED TWICE				

*** End Of Report ***

DR. ANANNYA GHOSH MBBS, MD (Biochemistry) Consultant Biochemist



 Patient Name
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 Age
 : 31 Y 9 M 22 D
 Collection Date
 : 10/Sep/2023 09:21AM

 Gender
 : M
 Report Date
 : 10/Sep/2023 03:54PM



DEPARTMENT OF BIOCHEMISTRY

DEPARTMENT OF BIOCHEMISTRY					
Test Name	Result	Bio Ref. Interval	Unit		
*BILIRUBIN (TOTAL) , GEL SERUM					
BILIRUBIN (TOTAL) (Method:DIAZONIUM ION)	0.80	0.2 - 1.2	mg/dL		
UREA,BLOOD (Method:UREASE-COLORIMETRIC)	19.0	12.8-42.8	mg/dl		
PHOSPHORUS-INORGANIC,BLOOD (Method:UV PHOSPHOMOLYBDATE)	3.2	2.5-4.5 mg/dl	mg/dl		
ALKALINE PHOSPHATASE (Method:P-NPP,AMP BUFFER)	110	46 - 116	U/L		
POTASSIUM,BLOOD (Method:ISE INDIRECT)	4.10	3.5 - 5.1	mEq/L		
BILIRUBIN (DIRECT) (Method:DIAZOTIZATION)	0.23	< 0.2	mg/dL		
SGOT/AST (Method:UV WITH P5P)	44	15 - 37	U/L		
CHLORIDE,BLOOD (Method:ISE INDIRECT)	105	98 - 107	mEq/L		
CREATININE, BLOOD (Method: ALKALINE PICRATE)	0.99	0.70 - 1.30	mg/dl		
GLUCOSE,FASTING (Method:Hexokinase Method)	87	70 - 100	mg/dl		
CALCIUM,BLOOD (Method:OCPC)	8.50	8.6-10.0 mg/dl	mg/L		
URIC ACID,BLOOD (Method:URICASE ,COLORICMETRIC)	6.40	3.5 - 7.2	mg/dl		
*TOTAL PROTEIN [BLOOD] ALB:GLO RAT	IO , .				
TOTAL PROTEIN	7.04	6.6 - 8.7	g/dL		
(Method:BIURET METHOD) ALBUMIN (Method:BCP)	4.0	3.4-5.0 g/dl	g/dl		
GLOBULIN (Method:Calculated)	3.00	1.8-3.2	g/dl		
AG Ratio (Method:Calculated)	1.35	1.0 - 2.5			
*THYROID PANEL (T3, T4, TSH), GEL SERUM					
T3-TOTAL (TRI IODOTHYRONINE) (Method:CLIA)	1.28	0.60 - 1.81 ng/ml	ng/ml		
T4-TOTAL (THYROXINE) (Method:CLIA)	6.6	4.5 - 10.9	microgram/dl		
TSH (THYROID STIMULATING HORMONE) (Method:CLIA)	1.59	0.35-5.5	μIU/mL		

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DEPARTMENT OF BIOCHEMISTRY

Test Name Result Bio Ref. Interval Unit	
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BIOLOGICAL REFERENCE INTERVAL: [ONLY FOR PREGNANT MOTHERS]

Trimester specific TSH LEVELS during pregnancy:
FIRST TRIMESTER : 0.10 2.50 µ IU/mL
SECOND TRIMESTER : 0.20 3.00 µ IU/mL
THIRD TRIMESTER : 0.30 3.00 µ IU/mL

References:

1.Indian Thyroid Society guidelines for management of thyroid dysfunction during pregnancy. Clinical Practice Guidelines, New Delhi: Elsevier; 2012.

- 2.Stagnaro-Green A, Abalovich M, Alexander E, Azizi F, Mestman J, Negro R, et al. Guidelines of the American Thyroid Association for the Diagnosis and Management of Thyroid Disease During Pregnancy and Postpartum. Thyroid 2011;21:1081-25.
- 3. Dave A, Maru L, Tripathi M. Importance of Universal screening for thyroid disorders in first trimester of pregnancy. Indian J Endocr Metab [serial online] 2014 [cited 2014 Sep 25]; 18: 735-8. Available from: http://www.ijem.in/text.asp?2014/18/5/735/139221.

SODIUM,BLOOD (Method:ISE INDIRECT)	139	136 - 145	mEq/L
SGPT/ALT (Method:UV WITH P5P)	<u>119</u>	16 - 63	U/L
*LIPID PROFILE , GEL SERUM			
CHOLESTEROL-TOTAL (Method:CHOLESTEROL OXIDASE, ESTERASE,PEROXIDASE)	185	Desirable: < 200 mg/dL Border high: 200-239 High: > or =240 r	•
TRIGLYCERIDES (Method:ENZYMATIC, END POINT)	98	NORMAL < 150 BORDERLINE 150-199 HIGH 200-499 VERY F 500	3
HDL CHOLESTEROL (Method:DIRECT MEASURE-PEG)	41	NO RISK : >60 mg/dL, MODER RISK : 40-60 mg/dL, HIGH RISH mg/dL	•
LDL CHOLESTEROL DIRECT (Method:DIRECT MEASURE)	<u>119</u>	OPTIMAL: <100 mg/dL, Near optimal/ above optimal: 100-12 mg/dL, Borderline high: 130-15 mg/dL, High: 160-189 mg/dL, \high: >=190 mg/dL	59
VLDL (Method:Calculated)	24	< 40 mg/dl	mg/dl
CHOL HDL Ratio (Method:Calculated)	4.5	LOW RISK 3.3-4.4 AVERAGE 4.47-7.1 MODERATE RISK 7.1 HIGH RISK >11.0	

*** End Of Report ***

DR.BARNALI PAUL MBBS, MD(PATH)

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DEPARTMENT OF BIOCHEMISTRY

Lab No. : SG2/10-09-2023/SR8142929



 Patient Name
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 : 10/Sep/2023 09:20AM

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 : 10/Sep/2023 03:50PM



DEPARTMENT OF HAEMATOLOGY

Test Name Result Bio Ref. Interval Unit	
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*BLOOD GROUP ABO+RH [GEL METHOD], EDTA WHOLE BLOOD

ABO

(Method:Gel Card)

RH POSITIVE

(Method:Gel Card)

Gel technology Dia Med ID Micro typing system is the latest technology in transfusion Medicine.

It gives more reproducible and standardized test results.

It more repaid, reliable, very sensitive and objective, and hence more consistent and comparable results are obtained.

Single used cards are individualised for every patient and results can be photographed / scanned and stored for future use.

Special instruments that are used only for this technology also reduce risk of any contamination.

Ref:- WHO technical manual on transfusion medicine-Second Edition 2003

(RESULTS ALSO VERIFIED BY: FORWARD AND REVERSE GROUPING (TUBE AND SLIDE METHOD)

TECHNOLOGY USED: GEL METHOD

ADVANTAGES:

- · Gel card allows simultaneous forward and reverse grouping.
- Card is scanned and record is preserved for future reference.
- · Allows identification of Bombay blood group.
- Daily quality controls are run allowing accurate monitoring.

Historical records check not performed.

*ESR (ERYTHROCYTE SEDIM	IENTATION RATE), EDTA WI	HOLE BLOOD	
1stHour	03	0.00 - 20.00 mm/hr	mm/hr
(Method:Westergren)			

*CBC WITH PLATELET (THROMBOCYTE) COUNT, EDTA WHOLE BLOOD					
HEMOGLOBIN (Method:PHOTOMETRIC)	16.8	13 - 17	g/dL		
WBC (Method:DC detection method)	4.0	4 - 10	*10^3/µL		
RBC	5.09	4.5 - 5.5	*10^6/µL		
(Method:DC detection method) PLATELET (THROMBOCYTE) COUNT (Method:DC detection method/Microscopy) DIFFERENTIAL COUNT	215	150 - 450*10^3	*10^3/µL		
NEUTROPHILS	50	40 - 80 %	%		
(Method:Flowcytometry/Microscopy) LYMPHOCYTES	38	20 - 40 %	%		
(Method:Flowcytometry/Microscopy) MONOCYTES (Method:Flowcytometry/Microscopy)	04	2 - 10 %	%		
EOSINOPHILS (Method:Flowcytometry/Microscopy)	<u>08</u>	1 - 6 %	%		
BASOPHILS (Method:Flowcytometry/Microscopy) CBC SUBGROUP	00	0-0.9%	%		
HEMATOCRIT / PCV	48.6	40 - 50 %	%		
(Method:Calculated) MCV	95.0	83 - 101 fl	fl		

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 : 10/Sep/2023 03:50PM



DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Bio Ref. Interval	Unit	
(Method:Calculated)				
MCH	<u>33.0</u>	27 - 32 pg	pg	
(Method:Calculated)				
MCHC	34.5	31.5-34.5 gm/dl	gm/dl	
(Method:Calculated)				
RDW - RED CELL DISTRIBUTION WIDTH	13.5	11.6-14%	%	
(Method:Calculated)				
PDW-PLATELET DISTRIBUTION WIDTH	16.6	8.3 - 25 fL	fL	
(Method:Calculated)				
MPV-MEAN PLATELET VOLUME	10.7	7.5 - 11.5 fl		
(Method:Calculated)				
RBC	NORMOCYTIC			
	NORMOCHROMIC.			
WBC.	MILD EOSINOPHILIA.			
PLATELET	ADEQUATE ON			
	SMEAR.			

*** End Of Report ***

DR.BARNALI PAUL
MBBS, MD(PATH)

Lab No. : SG2/10-09-2023/SR8142929



Patient Name : BINOY SUBBA Ref Dr. : Dr.MEDICAL OFFICER

Age : 31 Y 9 M 22 D Collection Date

Gender : M Report Date : 10/Sep/2023 11:57AM



<u>DEPARTMENT OF RADIOLOGY</u> X-RAY REPORT OF CHEST (PA)

FINDINGS:

- Cardiac size appears within normal limits. Margin is well visualised and cardiac silhoutte is smoothly outlined. Shape is within normal limit.
- Lung parenchyma shows no focal lesion. No general alteration of radiographic density.
 Apices are clear. Bronchovascular lung markings are within normal.
- · Lateral costo-phrenic angles are clear.
- Domes of diaphragm are smoothly outlined. Position is within normal limits.

<u>IMPRESSION :</u>		
Normal study.		

*** End Of Report ***

DR. Ziaul Mustafa MD, Radiodiagnosis

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 Patient Name
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 Ref Dr.
 : Dr.MEDICAL OFFICER

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 : 10/Sep/2023 11:08AM

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 Report Date
 : 10/Sep/2023 03:52PM



DEPARTMENT OF CLINICAL PATHOLOGY

Test Name	Result	Bio Ref. Interval	Unit

*URINE ROUTINE ALL, ALL, URINE			
PHYSICAL EXAMINATION			
COLOUR	PALE YELLOW		
APPEARANCE	CLEAR		
CHEMICAL EXAMINATION			
рН	6.0	4.6 - 8.0	
(Method:Dipstick (triple indicator method))			
SPECIFIC GRAVITY	1.010	1.005 - 1.030	
(Method:Dipstick (ion concentration method))			
PROTEIN	ABSENT	NOT DETECTED	
(Method:Dipstick (protein error of pH			
indicators)/Manual) GLUCOSE	ABSENT	NOT DETECTED	
(Method:Dipstick(glucose-oxidase-peroxidase	ADOLINI	NOT BETEGTED	
method)/Manual)			
KETONES (ACETOACETIC ACID,	ABSENT	NOT DETECTED	
ACETONE)			
(Method:Dipstick (Legals test)/Manual)			
BLOOD	NEGATIVE	NOT DETECTED	
(Method:Dipstick (pseudoperoxidase reaction))			
BILIRUBIN	NEGATIVE	NEGATIVE	
(Method:Dipstick (azo-diazo reaction)/Manual) UROBILINOGEN	NEGATIVE	NECATIVE	
(Method:Dipstick (diazonium ion reaction)/Manual)	NEGATIVE	NEGATIVE	
NITRITE	NEGATIVE	NEGATIVE	
(Method:Dipstick (Griess test))	NEOMINE	NEO/NIVE	
LEUCOCYTE ESTERASE	NEGATIVE	NEGATIVE	
(Method:Dipstick (ester hydrolysis reaction))			
MICROSCOPIC EXAMINATION			
LEUKOCYTES (PUS CELLS)	1-2	0-5	/hpf
(Method:Microscopy)			•
EPITHELIAL CELLS	0-1	0-5	/hpf
(Method:Microscopy)			
RED BLOOD CELLS	ABSENT	0-2	/hpf
(Method:Microscopy)	ADOENIT	NOT DETECTED	
CAST (Mathad Microscopy)	ABSENT	NOT DETECTED	
(Method:Microscopy) CRYSTALS	ABSENT	NOT DETECTED	
(Method:Microscopy)	ADSENT	NOT DETECTED	
BACTERIA	ABSENT	NOT DETECTED	
(Method:Microscopy)			
YEAST	ABSENT	NOT DETECTED	
(Method:Microscopy)			
OTHERS	ABSENT		

Note:

- 1. All urine samples are checked for adequacy and suitability before examination.
- 2. Analysis by urine analyzer of dipstick is based on reflectance photometry principle. Abnormal results of chemical examinations are confirmed by manual methods.
- 3. The first voided morning clean-catch midstream urine sample is the specimen of choice for chemical and microscopic analysis.
- 4. Negative nitrite test does not exclude urinary tract infections.
- 5. Trace proteinuria can be seen in many physiological conditions like exercise, pregnancy, prolonged recumbency etc.
- 6. False positive results for glucose, protein, nitrite, urobilinogen, bilirubin can occur due to use of certain drugs, therapeutic dyes, ascorbic acid, cleaning agents used in urine collection container.
- 7. Discrepancy between results of leukocyte esterase and blood obtained by chemical methods with corresponding pus cell and red blood cell count by microscopy can

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DEPARTMENT OF CLINICAL PATHOLOGY

Test Name Result Bio Ref. Interval Unit	
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occur due to cell lysis.

8. Contamination from perineum and vaginal discharge should be avoided during collection, which may falsely elevate epithelial cell count and show presence of bacteria and/or yeast in the urine.

*** End Of Report ***

DR.BARNALI PAUL
MBBS, MD(PATH)

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Patient Name : BINOY SUBBA Ref Dr. : Dr.MEDICAL OFFICER

Age : 31 Y 9 M 22 D Collection Date :

Gender : M Report Date : 11/Sep/2023 01:55PM



DEPARTMENT OF CARDIOLOGY REPORT OF E.C.G.

HEART RATE : 88 /min.

RHYTHM : Regular sinus.

P-WAVE : Normal

P - R INTERVAL : 160 ms,

QRS DURATION : 80 ms

QRS CONFIGURATION : NORMAL

QRS VOLTAGE : R/S in V1 3/6 mm.

R/S in V6 9/1 mm.

QRS AXIS : +45°

Q- Waves : No significant Q-wave.

QT TIME : Normal.

ST SEGMENT : Normal.

T WAVE : NORMAL

ROTATION : Normal.

OTHER FINDINGS : Nil.

IMPRESSION : ECG WITHIN NORMAL LIMIT.

*** End Of Report ***

Dr. ARABINDA SAHA (MD,DM) CONSULTANT CARDIOLOGIST

Lab No. : SG2/10-09-2023/SR8142929 Page 12 of 14



Patient Name : BINOY SUBBA Ref Dr. : Dr.MEDICAL OFFICER

Age : 31 Y 9 M 22 D Collection Date :

Gender : M Report Date : 11/Sep/2023 04:52PM



DEPARTMENT OF ULTRASONOGRAPHY REPORT ON EXAMINATION OF WHOLE ABDOMEN

LIVER

Liver is enlarged in size (165 mm at right MCL), shows diffusely increased parenchymal echogenicity with maintained periportal & diaphragmatic echogenicity. No focal parenchymal lesion is evident. Intrahepatic biliary radicles are not dilated. Branches of portal vein are normal.

PORTA

The appearance of porta is normal. Common Bile duct is normal with no intraluminal pathology (Calculi /mass) could be detected at its visualised part. Portal vein is normal at porta.

GALL BLADDER

Gallbladder is physiologically distended. Wall thickness appears normal. No intraluminal pathology (Calculi/mass) could be detected. Sonographic Murphys sign is negative.

PANCREAS

Echogenecity appears within limits, without any focal lesion. Shape, size & position appears normal. No Calcular disease noted. Pancreatic duct is not dilated. No peri-pancreatic collection of fluid noted.

SPI FFN

Spleen is normal in size (105 mm). Homogenous and smooth echotexture without any focal lesion. Splenic vein at hilum appears normal. No definite collaterals could be detected.

KIDNEYS

Both kidneys are normal in shape, size (Rt. kidney 109 mm. & Lt. kidney 114 mm) axes & position. Cortical echogenecity appears normal maintaining corticomedullary differentiation. Margin is regular and cortical thickness is uniform. No calcular disease noted. No hydronephrotic changes detected.

URETERS

Visualised part of upper ureters are not dilated.

URINARY BLADDER

Urinary bladder is distended, wall thickness appeared normal. No intraluminal pathology (calculi / mass) could be detected.

PROSTATE

Prostate is normal in size. Echotexture appears within normal limits. No focal alteration of its echogenecity could be detectable.

It measures : 39 x 29 x 32 mm.

Approximate weight could be around = 19 gms.

IMPRESSION

Hepatomegaly showing diffusely increased parenchymal echogenicity with maintained periportal & diaphragmatic echogenicity - - Suggestive of mild grade fatty change.

Please correlate clinically.

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Kindly note

- ▶ Ultrasound is not the modality of choice to rule out subtle bowel lesion.
- ▶ Please Intimate us for any typing mistakes and send the report for correction within 7 days.
- The science of Radiological diagnosis is based on the interpretation of various shadows produced by both the normal and abnormal tissues and are not always conclusive. Further biochemical and radiological investigation & clinical correlation is required to enable the clinician to reach the final diagnosis.

The report and films are not valid for medico-legal purpose.

Patient Identity not verified.

DR. Ziaul Mustafa

MD, Radiodiagnosis

Lab No. : SG2/10-09-2023/SR8142929 Page 14 of 14

SURAKSHA DIAGNOSTIC, RAJARHAT, KOLKATA. BIO-RAD VARIANT TURBO CDM 5.4 s/n 15893

PATIENT REPORT V2TURBO_A1c_2.0

Patient Data Analysis Data

Sample ID: D02132357603 Analysis Performed: 11/SEP/2023 14:47:18

Patient ID: SR8142929 Injection Number: 9283U Name: Run Number: 205

Physician: Rack ID:

Sex: Tube Number: 4

DOB: Report Generated: 11/SEP/2023 14:49:58

Operator ID: TRISHA

Comments:

	NGSP		Retention	Peak
Peak Name	%	Area %	Time (min)	Area
A1a		1.1	0.162	23819
A1b		0.9	0.229	19143
F		0.9	0.274	18759
LA1c		1.3	0.410	28590
A1c	5.4		0.516	96161
P3		3.3	0.789	70652
P4		1.2	0.869	25706
Ao		86.7	0.986	1846360

Total Area: 2,129,190

HbA1c (NGSP) = 5.4 % HbA1c (IFCC) = 35 mmol/mol

