



 Patient Name
 : PRADEEP TAMANG
 Ref Dr.
 : Dr.MEDICAL OFFICER

 Age
 : 36 Y 2 M 25 D
 Collection Date
 : 15/Jan/2024 11:09AM

Gender : M Report Date : 15/Jan/2024 12:53PM



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit
POTASSIUM,BLOOD , GEL SERUM (Method:ISE INDIRECT)	4.30	3.5 - 5.1	mEq/L
CALCIUM,BLOOD (Method:OCPC)	8.74	8.6-10.0 mg/dl	mg/L
SGPT/ALT (Method:UV WITH P5P)	53	16 - 63	U/L
*THYROID PANEL (T3, T4, TSH), GEL SERU	М		
T3-TOTAL (TRI IODOTHYRONINE) (Method:CLIA)	0.99	0.60 - 1.81 ng/ml	ng/ml
T4-TOTAL (THYROXINE) (Method:CLIA)	5.2	4.5 - 10.9	microgram/dl
TSH (THYROID STIMULATING HORMONE) (Method:CLIA)	<u>7.96</u>	0.35-5.5	μIU/mL

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.

ALKALINE PHOSPHATASE	<u>137</u>	46 - 116	U/L
(Method:P-NPP,AMP BUFFER)			
*BILIRUBIN (TOTAL) , GEL SERUM			
BILIRUBIN (TOTAL)	0.58	0.2 - 1.2	mg/dL
(Method:DIAZONIUM ION)			
SODIUM,BLOOD	139	136 - 145	mEq/L
(Method:ISE INDIRECT)			<u> </u>
CHLORIDE,BLOOD	102	98 - 107	mEq/L
(Method:ISE INDIRECT)			·
CREATININE, BLOOD	0.78	0.70 - 1.30	mg/dl
(Method: ALKALINE PICRATE)			
URIC ACID,BLOOD	6.46	3.5 - 7.2	mg/dl
(Method:URICASE ,COLORICMETRIC)			
SGOT/AST	33	15 - 37	U/L
(Method:UV WITH P5P)			





Lab No. : SIL/15-01-2024/SR8635167 Lab Add. : Sevoke Road, Siliguri 734001

Patient Name : PRADEEP TAMANG Ref Dr. : Dr.MEDICAL OFFICER : 36 Y 2 M 25 D **Collection Date** : 15/Jan/2024 11:09AM : 15/Jan/2024 12:53PM Gender : M Report Date



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit	
*TOTAL PROTEIN [BLOOD] ALB:	GLO RATIO,			
TOTAL PROTEIN (Method:BIURET METHOD)	7.59	6.6 - 8.7	g/dL	
ALBUMIN (Method:BCP)	3.8	3.4 -5.0 g/dl	g/dl	
GLOBULIN (Method:Calculated)	<u>3.78</u>	1.8-3.2	g/dl	
AG Ratio (Method:Calculated)	1.01	1.0 - 2.5		
GLUCOSE,PP	135	75-140	mg/dl	

GLUCOSE,PP	135	75-140	mg/dl
(Method:Hexokinase Method)			

LIDID DROFILE OF OFFICE		
LIPID PROFILE, GEL SERUM		
CHOLESTEROL-TOTAL	186	Desirable: < 200 mg/dL Borderline mg/dl
(Method:CHOLESTEROL OXIDASE, ESTERASE,PEROXIDASE)		high: 200-239 High: > or =240 mg/dL
TRIGLYCERIDES	129	NORMAL < 150 BORDERLINE HIGH mg/dl
(Method:ENZYMATIC, END POINT)	120	150-199 HIGH 200-499 VERY HIGH >
,		500
HDL CHOLESTEROL	49	NO RISK: >60 mg/dL, MODERATE mg/dl
(Method:DIRECT MEASURE-PEG)		RISK: 40-60 mg/dL, HIGH RISK: <40
		mg/dL
LDL CHOLESTEROL DIRECT	<u>109</u>	OPTIMAL : <100 mg/dL, Near mg/dl
(Method:DIRECT MEASURE)		optimal/ above optimal : 100-129
		mg/dL, Borderline high: 130-159
		mg/dL, High: 160-189 mg/dL, Very
		high:>=190 mg/dL
VLDL	28	< 40 mg/dL
(Method:Calculated)		
CHOL HDL Ratio	3.8	LOW RISK 3.3-4.4 AVERAGE RISK
(Method:Calculated)		4.47-7.1 MODERATE RISK 7.1-11.0
		HIGH RISK >11.0

*GLYCATED HAEMOGLOBIN (HBA1C), ED	TA WHOLE BLOOD		
GLYCATED HEMOGLOBIN (HBA1C)	5.1	***FOR BIOLOGICAL REFERENCE INTERVAL DETAILS , PLEASE REFER TO THE BELOW MENTIONED REMARKS/NOTE WITH ADDITIONAL CLINICAL INFORMATION ***	%
HbA1c (IFCC) (Method:HPLC)	33.0		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 D 10 **Method: HPLC Cation Exchange**

Recommendations for glycemic targets

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DEPARTMENT OF BIOCHEMISTRY

Test Name Result Bio Ref. Interval Unit

- 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:

- 1. 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

BILIRUBIN (DIRECT) (Method:DIAZOTIZATION)	0.09	< 0.2	mg/dL
UREA,BLOOD (Method:UREASE-COLORIMETRIC)	22.0	12.8-42.8	mg/dl
PHOSPHORUS-INORGANIC,BLOOD (Method:UV PHOSPHOMOLYBDATE)	2.9	2.5-4.5 mg/dl	mg/dl
GLUCOSE,FASTING (Method:Hexokinase Method)	88	70 - 100	mg/dl

*** End Of Report ***

DR. SANJAY KR. AGARWALA MD CONSULTANT BIOCHEMIST

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23.00

Patient Name: PRADEEP TAMANGRef Dr.: Dr.MEDICAL OFFICER

 Age
 : 36 Y 2 M 25 D
 Collection Date
 : 15/Jan/2024 11:45AM

Gender : M Report Date : 16/Jan/2024 03:33PM



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit	
UDIO AOID UDINE ODOTUDINE				
URIC ACID URINE SPOT URINE				

URIC ACID, URINE, SPOT URINE

URIC ACID, SPOT URINE

(Method:URICASE)

ESTIMATED TWICE

37-92 mg/dL

*** End Of Report ***

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

mg/dL





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Lab Add. : Sevoke Road, Siliguri 734001

Ref Dr. : Dr.MEDICAL OFFICER

Collection Date : 15/Jan/2024 11:09AM

Report Date : 15/Jan/2024 06:30PM

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Bio Ref. Interval	Unit
*CBC WITH PLATELET (THROMBOCYTE)	COUNT, EDTA WHOLE BL	OOD	
HEMOGLOBIN (Method:SLS haemoglobin method)	<u>12.7</u>	13 - 17	g/dL
WBC (Method:DC detection method)	6.0	4 - 10	*10^3/µL
RBC (Method:DC detection method)	<u>4.39</u>	4.5 - 5.5	*10^6/µL
PLATELET (THROMBOCYTE) COUNT (Method:DC detection method/Microscopy) DIFFERENTIAL COUNT	170	150 - 450*10^3	*10^3/μL
NEUTROPHILS (Method:Flowcytometry/Microscopy)	55	40 - 80 %	%
LYMPHOCYTES (Method:Flowcytometry/Microscopy)	<u>41</u>	20 - 40 %	%
MONOCYTES (Method:Flowcytometry/Microscopy)	02	2 - 10 %	%
EOSINOPHILS (Method:Flowcytometry/Microscopy)	02	1 - 6 %	%
BASOPHILS (Method:Flowcytometry/Microscopy) CBC SUBGROUP	00	0-0.9%	%
HEMATOCRIT / PCV (Method:Calculated)	<u>39.5</u>	40 - 50 %	%
MCV (Method:Calculated)	89.9	83 - 101 fl	fl
MCH (Method:Calculated)	28.9	27 - 32 pg	pg
MCHC (Method:Calculated)	32.2	31.5-34.5 gm/dl	gm/dl
RDW - RED CELL DISTRIBUTION WIDTH (Method:Calculated)	<u>14.2</u>	11.6-14%	%
PDW-PLATELET DISTRIBUTION WIDTH (Method:Calculated)	36.3	8.3 - 25 fL	fL
MPV-MEAN PLATELET VOLUME (Method:Calculated)	13.4	7.5 - 11.5 fl	
RBC	NORMOCYTIC NORMOCHROMIC.		
WBC.	NORMAL MORPHOLOGY		
PLATELET	ADEQUATE ON SMEAR.		

ESR (ERYTHROCYTE SEDIMENTATION RATE), EDTA WHOLE BLOOD

1stHour 13 0.00 - 20.00 mm/hr mm/hr

(Method:Westergren)

BLOOD GROUP ABO+RH [GEL METHOD], EDTA WHOLE BLOOD

ABO O

(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.

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DEPARTMENT OF HAEMATOLOGY

Test Name Result Bio Ref. Interval Unit

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 :

Gender

- · 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.

*** End Of Report ***

Dr. Ankush Chakraborty MBBS, MD (Path), IFCAP Reg. No. 65992 (WBMC)

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: Dr.MEDICAL OFFICER

Lab No. : SIL/15-01-2024/SR8635167

: PRADEEP TAMANG Ref Dr.

Age : 36 Y 2 M 25 D

Gender : M Report Date : 15/Jan/2024 05:05PM



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

Lab Add.

Collection Date

FINDINGS:

Patient Name

- 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.

IMPRESSION:			
Normal study.			

*** End Of Report ***

DR. Ziaul Mustafa MD, Radiodiagnosis

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Lab No. : SIL/15-01-2024/SR8635167 Lab Add. : Sevoke Road, Siliguri 734001

Patient Name : PRADEEP TAMANG Ref Dr. : Dr.MEDICAL OFFICER : 36 Y 2 M 25 D **Collection Date** : 15/Jan/2024 11:09AM Gender : M

Report Date : 15/Jan/2024 03:35PM



DEPARTMENT OF CLINICAL PATHOLOGY

PHYSICAL EXAMINATION COLOUR PALE YELLOW APPEARANCE SLIGHTLY HAZY CHEMICAL EXAMINATION PH 6.0 4.6 - 8.0 (Method:Dipsick (riple indicator method)) SPECIFIC GRAVITY 1.015 1.005 - 1.030 (Method:Dipsick (protein error of pH indicators)) (Method:Dipsick (glucose-oxidase-peroxidase) RETONES (ACETOACETIC ACID, ABSENT NOT DETECTED (Method:Dipsick (Legals test))Manual) BLOOD (Method:Dipsick (sest)) MEGATIVE NOT DETECTED (Method:Dipsick (geaudoperoxidase reaction)) BILRUBIN NEGATIVE NEG	Test Name	Result	Bio Ref. Interval	Unit	
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PH	APPEARANCE	SLIGHTLY HAZY			
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SPECIFIC GRAVITY	pH	6.0	4.6 - 8.0		
(Method:Dipstick (ion concentration method)) PROTEIN (Method:Dipstick (protein error of pH indicators)/Manual) GLUCOSE (Method:Dipstick (glucose-oxidase-peroxidase method)/Manual) KETONES (ACETOACETIC ACID, ABSENT NOT DETECTED (Method:Dipstick (glucose-oxidase-peroxidase method)/Manual) BLOOD NEGATIVE NOT DETECTED (Method:Dipstick (pseudoperoxidase reaction)) BLIRUBIN (Method:Dipstick (azo-diazo reaction)/Manual) UROBILINOGEN (Method:Dipstick (diazo-nium ion reaction)/Manual) UROBILINOGEN (Method:Dipstick (Griess test)) REGATIVE (Method:Dipstick (ester hydrolysis reaction)) MITRITE (Method:Dipstick (ester hydrolysis reaction)) MICROSCOPIC EXAMINATION LEUKOCYTES (PUS CELLS) (PUS CEL	(Method:Dipstick (triple indicator method))				
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Note:

YEAST

(Method:Microscopy) OTHERS

- 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.

NOT DETECTED

3. The first voided morning clean-catch midstream urine sample is the specimen of choice for chemical and microscopic analysis.

ABSENT

ABSENT

- 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

Lab No. SIL/15-01-2024/SR8635167 Page 8 of 12





Lab No. : SIL/15-01-2024/SR8635167

: PRADEEP TAMANG

Age : 36 Y 2 M 25 D

Gender : M

Lab Add. : Sevoke Road, Siliguri 734001

Ref Dr. : Dr.MEDICAL OFFICER

Collection Date : 15/Jan/2024 11:09AM

Report Date : 15/Jan/2024 03:35PM



DEPARTMENT OF CLINICAL PATHOLOGY

Test Name Result Bio Ref. Interval Unit

occur due to cell lysis.

Patient Name

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. Ankush Chakraborty MBBS, MD (Path), IFCAP Reg. No. 65992 (WBMC)

Lab No. : SIL/15-01-2024/SR8635167 Page 9 of 12



 Patient Name
 : PRADEEP TAMANG
 Ref Dr.
 : Dr.MEDICAL OFFICER

Age : 36 Y 2 M 25 D Collection Date :

Gender : M Report Date : 15/Jan/2024 01:04PM



DEPARTMENT OF CARDIOLOGY REPORT OF E.C.G.

HEART RATE : 57 /min.

RHYTHM : Regular sinus.

P-WAVE : Normal

P-RINTERVAL : 160 ms,

QRS DURATION : 80 ms

QRS CONFIGURATION : NORMAL

QRS VOLTAGE : R/S in V1 1/2 mm.

R/S in V6 10/1 mm.

QRS AXIS : +30°

Q- Waves : No significant Q-wave.

QCT INTERVAL : 371 ms
ST SEGMENT : Normal.
T WAVE : NORMAL
ROTATION : Normal.

OTHER FINDINGS : Nil.

IMPRESSION : SINUS BRADYCARDIA

*** End Of Report ***

Dr. ARABINDA SAHA (MD,DM) CONSULTANT CARDIOLOGIST

Lab No. : SIL/15-01-2024/SR8635167 Page 10 of 12



Lab No. : SIL/15-01-2024/SR8635167 **Lab Add.**

Patient Name : PRADEEP TAMANG Ref Dr. : Dr.MEDICAL OFFICER

Age : 36 Y 2 M 25 D Collection Date :

Gender : M Report Date : 15/Jan/2024 01:37PM



DEPARTMENT OF ULTRASONOGRAPHY REPORT ON EXAMINATION OF WHOLE ABDOMEN

LIVER

Liver is normal in size having normal shape, regular smooth outline and of homogeneous echotexture. 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.

SPLEEN

Spleen is normal in size. 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 93 mm. & Lt. kidney 95 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.

IMPRESSION

Sonographic study of Whole abdomen does not reveal any significant abnormality

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.

Lab No. : SIL/15-01-2024/SR8635167 Page 11 of 12



 Patient Name
 : PRADEEP TAMANG
 Ref Dr.
 : Dr.MEDICAL OFFICER

Age : 36 Y 2 M 25 D Collection Date :

Gender : M Report Date : 15/Jan/2024 01:37PM



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

Patient Identity not verified.

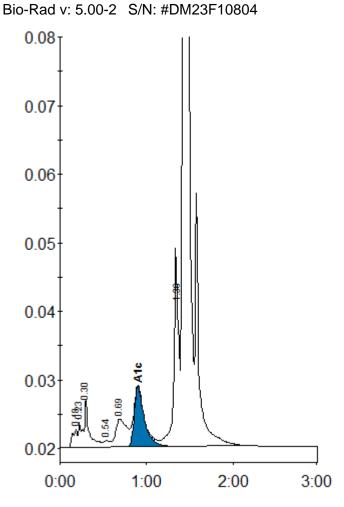


Lab No. : SIL/15-01-2024/SR8635167 Page 12 of 12

Patient report

Sample ID: D02135511521

Injection date 15/01/2024 01:40 PM Injection #: 6 D-10 Method: HbA1c Rack #: --- Rack position: 3



Peak table - ID: D02135511521

Peak	R.time	Height	Area	Area %
A1a	0.18	2652	10519	0.5
Unknown	0.23	3563	5828	0.3
A1b	0.30	7029	29540	1.4
F	0.54	915	4116	0.2
LA1c/CHb-1	0.69	4097	36300	1.7
A1c	0.90	8778	72514	5.1
P3	1.36	28902	107480	5.1
A0	1.43	786061	1846689	87.4

Total Area: 2112986

Concentration:	%	mmol/mol
A1c	5.1	33