

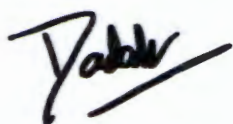
ឈ្មោះ/Name : OEUN VANNAK អាយុ/Age : 39 Y, 2 M, 22 D ភេទ/Gender : Male
Patient ID : DBC002406 ទូរស័ព្ទ/Phone : 012458982 Lab ID : LT001580
Requested Date : 24/03/2025 09:35 Collected Date : 24/03/2025 09:40 Analysis Date : 24/03/2025 10:20

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HEMATOLOGY

	Results	Unit	Reference Range	Flag
Complete Blood Count				
White Blood Cell	8.5	$\times 10^3/\mu\text{l}$	(4.0-10.0)	
Red Blood Cell	6.1	$10^6/\text{uL}$	(4.2-5.9)	H
Hemoglobin	14.4	g/dL	(13.0-17.0)	
Hematocrit	44	%	(39-54)	
MCV	72.13	fL	(80-96)	L
MCH	23.61	pg	(27-32)	L
MCHC	32.73	g/dL	(31-36)	
Platelet	219	$\times 10^3/\mu\text{l}$	(150-500)	
RDW	13.7	%	(11.0 - 16.0)	
Differential White Cell Count				
Neutrophil	66	%	(55 - 66)	
Lymphocyte	23	%	(25-50)	L
Monocyte	10	%	(02-10)	
Eosinophil	01	%	(01-03)	
Basophil	00	%	(00-01)	

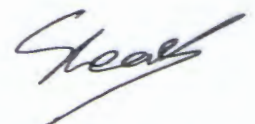
Validated By :



Ph. DUONG DADALY

2025-03-24 10:15

Lab Technician:



Ms. PHATH SOKLEAB

2025-03-24 10:15

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BIOCHEMISTRY

	Results	Unit	Reference Range	Flag
Uric Acid	6.0	mg/dL	(2.5 - 7.0)	
Renal Functions				
Urea	21	mg/dL	(10-50)	
Creatinine	1.3	mg/dL	(0.7-1.3)	
Liver Functions				
Transaminase (ALT)	29	U/L	(0 - 35)	
Transaminases (AST)	14	U/L	(0 - 35)	
Gamma GT	30	U/L	(0 - 30)	

SERO-IMMUNOLOGY

	Results	Unit	Reference Range	Flag
CRP	Positive12	mg/L	(<6)	

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Mr. TOUS Chansamrach—MLT, MHA, MSc

Mr. EAM Buntha—Medical Laboratory Technologist

Mr. MEAS Phearum—Medical Laboratory Technologist

Mrs. CHEA Chanmealea—Medical Laboratory Technologist

Released date : 01-Jan-2025

Collected date : 01-Jan-2025

Patient's ID : 250101013

Specimen types : Blood


Walk-In
Customer

OEUN VANNAK

Age: 39 Year(s)

Sex: Male

HEMATOLOGY

DESCRIPTION OF ANALYSIS	RESULT	UNIT	REFERENCE
FULL BLOOD COUNT / HORIBA 5 Parts, FRANCE			
White Blood Cells (WBCs) -----	8.2	x 10 ⁹ /L	(N: 4.0 - 10.0)
Red Blood Cells (RBCs) -----	5.66	x 10 ¹² /L	(N: 4.00 - 6.30)
Hemoglobin (HGB) -----	147	g/L	(N: 115 - 175)
Hematocrit (HCT) -----	43	%	(N: 36 - 52)
MCV -----	76	fL	(N: 75 - 100)
MCH -----	26.0	pg	(N: 25.5 - 35.0)
MCHC -----	341	g/L	(N: 310 - 380)
Platelets (PLTs) -----	269	x 10 ⁹ /L	(N: 150 - 440)
DIFFERENTIAL WHITE BLOOD CELLS			
P. Neutrophils -----	74	↑ %	(N: 55 - 65)
P. Eosinophils -----	02	%	(N: 1 - 3)
P. Basophils -----	00	%	(N: 0 - 1)
Lymphocytes -----	19	↓ %	(N: 25 - 45)
Monocytes -----	05	%	(N: 3 - 10)
ADDITIONAL BLOOD COUNT INDICES			
Red Cell Distribution Width (RDW-CV) -----	12.3	%	(N: 11.0 - 16.0)
Platelet Distribution Width (PDW) -----	10.8	fL	(N: 9.2 - 16.7)
Mean Platelet Volume (MPV) -----	8.4	fL	(N: 7.0 - 12.0)
Erythrocyte Sedimentation Rate (ESR) -----	17	mm/h	(N: < 20)
ABO and Rhesus Blood Group -----	O RhD (+)		

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**Walk-In
 Customer**

OEUN VANNAK
 Age: 39 Year(s)
 Sex: Male

BIOCHEMISTRY

<u>DESCRIPTION OF ANALYSIS</u>	<u>RESULT</u>	<u>UNIT</u>	<u>REFERENCE</u>
<i>(BA200 BioSystems, Spain):</i>			
Fasting Blood Glucose -----	: 107	mg/dL	(N: 75 - 115)
Calcium, Total -----	: 8.7	mg/dL	(N: 8.6 - 10.3)
Cholesterol, Total -----	: 151	mg/dL	(N: < 200)
HDL-Cholesterol -----	: 53	mg/dL	(N: > 35)
LDL-Cholesterol -----	: 81	mg/dL	(N: ≤ 159)
Triglycerides -----	: 136	mg/dL	(N: < 200)
Total Lipids -----	: 654	mg/dL	(N: ≤ 880)
Uric Acid -----	: 5.6	mg/dL	(N: 3.4 - 7.0)
Creatinine -----	: 1.03	mg/dL	(N: 0.70 - 1.20)
Urea -----	: 27	mg/dL	(N: 12 - 45)
Protein, Total -----	: 7.4	g/dL	(N: 6.6 - 8.7)
Albumin -----	: 4.3	g/dL	(N: 3.5 - 5.2)
Magnesium -----	: 1.98	mg/dL	(N: 1.70 - 2.40)
Phosphorus -----	: 3.8	mg/dL	(N: 2.5 - 4.5)
Serum Iron, Total -----	: 39	↓ μg/dL	(N: 55 - 175)
Bilirubin, Total -----	: 0.63	mg/dL	(N: ≤ 1.20)
Bilirubin, Direct -----	: 0.30	mg/dL	(N: ≤ 0.40)
Bilirubin, Indirect -----	: 0.33	mg/dL	(N: ≤ 0.80)

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ENZYMOLOGY

DESCRIPTION OF ANALYSIS	RESULT	UNIT	REFERENCE
<i>(BA200 BioSystems, Spain):</i>			
Transaminases SGOT (ASAT) -----	25	U/L	(N: ≤ 40)
Transaminases SGPT (ALAT) -----	43	U/L	(N: ≤ 45)
Gamma GT -----	52	U/L	(N: < 55)
Alkaline Phosphatase (ALP) -----	85	U/L	(N: 30 - 130)
Lactate Dehydrogenase (LDH) -----	145	U/L	(N: < 250)
Creatine Kinase (CK) -----	106	U/L	(N: 38 - 190)
α-Amylase -----	91	U/L	(N: ≤ 140)

ELECTROLYTE

(ST-200 Electrolyte, 3Ch-Na/K/Cl):

Sodium -----	142	mmol/L	(N: 136 - 146)
Potassium -----	4.3	mmol/L	(N: 3.5 - 5.2)
Chloride -----	101	mmol/L	(N: 98 - 107)

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TEST FOR DIABETES

<u>DESCRIPTION OF ANALYSIS</u>	<u>RESULT</u>	<u>UNIT</u>	<u>REFERENCE</u>
<i>(Glycated Hemoglobin, HPLC):</i>			
Hemoglobin A1C (HbA1C) -----	: 5.8	%	(N: ≤ 6.5) '
Total allowable error (TEa): ±8%			
In 2024, CLIA Proposed new TEa			
for Proficiency Testing.			
Linearity Range: 3% - 20%			
High-Performance Liquid Chromatography (HPLC)			
REMARK			

Pathological conditions affecting Red Blood Cell (RBC) parameters may interfere the interpretation of HbA1C Results. e.g., conditions such as hemoglobinopathies, lowering RBC survival and dehydration will affect the accuracy and falsely lower and higher HbA1c test results respectively. Other conditions may also apply.			

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SEROLOGY

<u>DESCRIPTION OF ANALYSIS</u>	<u>RESULT</u>	<u>UNIT</u>	<u>REFERENCE</u>
SEROLOGY OF C-REACTIVE PROTEIN (BA200, SPAIN)			
C-Reactive Protein (CRP) -----	78.83	↑ mg/L	(N: < 5.00)
SEROLOGICAL DIAGNOSIS OF WIDAL			
Salmonella Typhi O (TO) -----	Non-Reactive 00	titer	(N: 00)
Salmonella Typhi H (TH) -----	Non-Reactive 00	titer	(N: 00)
SEROLOGICAL DIAGNOSIS OF HEPATITIS B (SIEMENS)			
Detection of HBs Antigen -----	Reaction Negative 0.18	Index	(N : < 1.00)
SEROLOGICAL DIAGNOSIS OF HEPATITIS B (MAGLUMI X6)			
Detection of HBs Antibody (Quantitative) -----	Reaction Positive 879.52	IU/L	(N: < 10.00)
SEROLOGICAL DIAGNOSIS OF HEPATITIS C (SIEMENS)			
Detection of HCV Antibody -----	Reaction Negative 0.64	Index	(N : < 1.00)

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SEROLOGY

<u>DESCRIPTION OF ANALYSIS</u>	<u>RESULT</u>	<u>UNIT</u>	<u>REFERENCE</u>
SEROLOGY OF ANTISTREPTOLYSIN O (BA200, SPAIN)			
Antistreptolysin O (ASO) -----	157.70	IU/mL	(N: < 200.00)
SEROLOGY OF RHEUMATOID FACTOR (BA200, SPAIN)			
Rheumatoid Factor (RF) -----	19.35	IU/mL	(N: < 24.00)
SEROLOGY OF GASTROINTESTINAL INFECTION (MAGLUMI X6)			
Helicobacter Pylori IgM -----	Reaction Negative 0.41	U/mL	(N: < 1.00)
SEROLOGY OF GASTROINTESTINAL INFECTION (MAGLUMI X6)			
Helicobacter Pylori IgG -----	Reaction Negative 19.85	EIU	(N: < 30.00)

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UROLOGY

<u>DESCRIPTION OF ANALYSIS</u>	<u>RESULT</u>	<u>UNIT</u>	<u>REFERENCE</u>
MACROSCOPIC EXAMINATION			
Color -----	: Yellow		(N: Yellow)
Aspect -----	: Trouble		(N: Clear)
URINARY BIOCHEMISTRY			
Proteinuria -----	: Absence		(N: Absence)
Glycosuria -----	: Absence		(N: Absence)
pH -----	: 7.0		(N: 5.0 - 8.0)
CYTOLOGY			
White Blood Cells -----	: Few		(N: Few 1-5/HPF)
Red Blood Cells -----	: Rare		(N: Rare 1-3/HPF)
Epithelial cells -----	: Few		(N: Few 1-5/HPF)
Renal Cells -----	: Absence		(N: Absence)
Crystal -----	: Absence		(N: Absence)
Amorphous -----	: Absence		(N: Absence)
Cylinder (Cast) -----	: Absence		(N: Absence)
Yeast -----	: Absence		(N: Absence)
Bacteria -----	: Absence		(N: Absence)
Mucus -----	: Presence (Thin)		(N: Absence)
Others -----	: Absence		(N: Absence)

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