

LABORATORY REPORT

Name : **ADAM EHAB HAMOUDA** File. No. : **AAL02-1465263**
DOB/Gender : **06-03-2007 (18 Yrs 5 Month 18 Days/Male)** Referral Doctor : **Dr. Keerthana Rani Padippurayil Thara**
Lab No. : **22252360252** Referral Clinic : **Citicare Medical Center LLC**
Request Date : **24-08-2025 20:11:10** Clinic File No : **38053**
Insurance : **NAS ADMINISTRATION SERVICES LTD**

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	5.24	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	16.0	g/dl	13.0 - 17.0	Photometry-SLS
HCT	44.0	%	40.0 - 50.0	Hydrodynamic focusing (HF)
MCV	84.0	fl	83.0 - 101.0	Calculation
MCH	30.5	pg	27-32	Calculation
MCHC	36.4^H	g/dL	31.5 - 34.5	Calculation
Platelet Count	180	10 ³ /uL	150 - 400	HF (DCD)
WBC	8.32	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	83.9^H	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	12.0^L	%	20.0 - 40.0	Flow Cytometry
Monocytes	3.6	%	2.0-10.0	Flow Cytometry
Eosinophils	0.1^L	%	1 - 6	Flow Cytometry
Basophils	0.4	%	<1-2	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	6.98	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	1.00	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.30	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.01^L	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.03	10 ³ /uL	0.02 - 0.10	Calculation

Sample Type : EDTA WB

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Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 24-08-2025 17:30:00
Authenticated On : 24-08-2025 20:59:29

Received On : 24-08-2025 20:11:00
Released On : 24-08-2025 21:11:11

Wasik

Wasik Hasan Tisekar
Laboratory Technician
DHA-P-0039673

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
C-Reactive Protein (CRP)	<0.60	mg/L	Negative < or = to 5.0	Immunoturbidimetric Assay

CRP is an acute phase protein whose concentration rises non -specifically in response to inflammation. CRP values should not be interpreted without a complete clinical evaluation. Follow-up testing of patients with elevated values is recommended in order to help rule out a recent response to undetected infection or tissue injury. Please note Reference Range Reviewed w.ef 15/10/23

Sample Type : Serum

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HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
TSH (Thyroid Stimulating Hormone)	1.1200	μIU/mL	0.51 - 4.30	ECLIA

Conversion Formula: (Concentration in IU/ mL) × (1.0) = mIU/L. The determination of TSH serves as the initial test in thyroid diagnostics. Even very slight changes in the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH level. Accordingly, TSH is a very sensitive and specific parameter for assessing thyroid function and is particularly suitable for early detection or exclusion of disorders in the central regulating circuit between the hypothalamus, pituitary and thyroid. Please note Reference Range Reviewed w.ef 15/10/23 .

Sample Type : Serum

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MICROBIOLOGY/BACTERIOLOGY/BODY FLUIDS

Test Name	Result	Units	Ref. Range	Method
<u>URINE ROUTINE (URINALYSIS)</u>				
<u>PHYSICAL EXAMINATION</u>				
Color	Yellow		Yellow	Light Scatter
Appearance	Clear		Clear	Light Scatter
Specific Gravity	1.023		1.005 - 1.030	Refractrometry
PH	5.00		4.6 - 8.0	Litmus reaction
Glucose	Negative		Negative	Enz.Rn/Reflect
Ketone	Negative		Negative	Legal's method
Protein	Negative		Negative	Dye Binding
Blood	Negative		Negative	Peroxidase Activity/Reflectance
Bilirubin	Negative		Negative	Acidified Diazo Coupling
Urobilinogen	Normal	mg/dL	Normal 0.2 - 1.0	Buffered Diazo Coupling
Nitrite	Negative		Negative	Mod. Gries Rn
Leukocytes.	Negative		Negative	Enz.Rn/Reflect
<u>MICROSCOPIC EXAMINATION</u>				
Pus Cells	1 - 2	/HPF	1 - 4	F.D.I/Microscopy
RBC's	0 - 1	/HPF	0 - 2	F.D.I/Microscopy
Epithelial cells	0 - 1	/HPF	1 - 4	F.D.I/Microscopy
Bacteria	Absent	/HPF	Absent	F.D.I/Microscopy
Yeast cells	Absent	/HPF	Absent	F.D.I/Microscopy
Trichomonas Vaginalis	Absent	/HPF	Absent	F.D.I/Microscopy
Mucus Threads	Few	/HPF	Absent	F.D.I/Microscopy
Crystals	Absent	/HPF	Absent	F.D.I/Microscopy
Casts	Absent	/LPF	Absent	F.D.I/Microscopy

Bilirubin and Urobilinogen when exposed to sunlight leads to artificially low results, hence recommended to collect urine in dark container for analyzing Urine

Bilirubin and Urobilinogen if clinically indicated.

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Test Name	Result	Units	Ref. Range	Method
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Kindly note that there are chances of false negative result for *Trichomonas vaginalis*, as *Trichomonas vaginalis* viability is temperature and time sensitive.

Kindly note the new methodology is effective from 31-10-2022.

Sample Type : Urine

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**ELECTROLYTES PANEL (NA,K,CL,HCO3)
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Sodium	137.10	mmol/L	136 - 145	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
Potassium (serum)	5.06	mmol/L	3.5 - 5.5	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
Chloride (serum)	102.20	mmol/L	98 - 107	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
*Total CO2 (Bicarbonate)	25.50	mmol/L	22.0 - 29.0	PEP Carboxylase

Please note Reference Range Reviewed w.ef 15/10/23
Sample Type : Serum

----- End Of Report -----

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