



AML63253

Laboratory Investigation Report

Name : Mr. MUHAMMED ASIF
DOB : 04/12/1995
Age / Gender : 29 Y 0 / Male
Ref. physician : Dr. Pakeeza Salman
Centre : Healway Medical Center L.L.C

Ref No. :
Sample ID : 065550
Collected On : 12/12/2024 15:11
Registered On : 12/12/2024 15:11
Reported On : 12/12/2024 19:02

Test Description	Value(s)	Flag	Unit(s)	Reference Range	Methodology
------------------	----------	------	---------	-----------------	-------------

CLINICAL PATHOLOGY

Sample Type : Urine

Urine Analysis (Routine)

PHYSICAL EXAMINATION

COLOR	Pale yellow	Pale yellow
APPEARANCE	Slightly Turbid	Clear

CHEMICAL EXAMINATION

PH	8.0	4.5 - 8.0	Dipstick
SPECIFIC GRAVITY	1.015	1.005 - 1.030	Dipstick
PROTEIN	Absent	Absent	Dipstick
GLUCOSE	Absent	Absent	Dipstick
KETONE	Absent	Absent	Dipstick
NITRITE	Absent	Absent	Dipstick
BLOOD	Absent	Absent	Dipstick
BILIRUBIN	Absent	Absent	Dipstick
UROBILINOGEN	Absent	Absent	Dipstick

MICROSCOPIC EXAMINATION

PUS CELLS	3-4	/HPF	2 - 4	Microscopy
RED BLOOD CELLS	Absent	/HPF	1 - 2	Microscopy
EPITHELIAL CELLS	3-4	/HPF	0-5	Microscopy
CASTS	Absent	/HPF	Absent	Microscopy
CRYSTAL	Absent	/HPF	-	Microscopy
BACTERIA	Absent	/HPF	Absent	Microscopy
Other	-	/HPF		Microscopy

End of Report

Rahul Masih
Laboratory Technologist
DHA 00165871001



Dr. Nirupama Sabhapathy
DHA Reg. No: 65077850-005
Specialist Clinical Pathology

This is an electronically authenticated report

Printed on: 12/12/2024 19:02 Final Report

Page 1 of 9

Biochemistry . Microbiology . Haematology . Molecular Diagnostic

Alpha Medical Laboratory | Al Ameri Tower - Office 101 to 103 - Close to Grand Millennium Hotel

Barsha Heights - Sheikh Zayed Road | Dubai , United Arab Emirates

Tel: +971 4 5143255 | Email : info@alphamedilab.com | Website : www.alphamedilab.com



AML63253

Laboratory Investigation Report

Name : Mr. MUHAMMED ASIF
DOB : 04/12/1995
Age / Gender : 29 Y 0 / Male
Ref. physician : Dr. Pakeeza Salman
Centre : Healway Medical Center L.L.C

Ref No. :
Sample ID : 065550
Collected On : 12/12/2024 15:11
Registered On : 12/12/2024 15:11
Reported On : 12/12/2024 19:02

Test Description	Value(s)	Flag	Unit(s)	Reference Range	Methodology
------------------	----------	------	---------	-----------------	-------------

BIOCHEMISTRY

Sample Type : Serum

Executive Plus Health Package

*Uric Acid (Serum)	4.5		mg/dL	3.5 - 7.2	Modified Uricase
*Creatinine (Serum)	1.04		mg/dL	0.62 - 1.17	Enzymatic

Interpretation Notes :

Elevated Creatinine level signifies impaired kidney function or kidney disease. Creatinine may also be increased in hyperthyroidism, diabetic acidosis and puerperium.

Blood Urea Nitrogen (Serum)	9		mg/dL	7 - 20	Calculation
-----------------------------	---	--	-------	--------	-------------

Interpretation Notes :

High BUN level maybe seen in cases of chronic glomerulonephritis, pyelonephritis, chronic renal disease, acute renal failure, decreased renal perfusion (prerenal azotemia) as in shock, severe congestive heart failure, catabolism, hyperalimentation, ketoacidosis and dehydration (as in diabetes mellitus). Bleeding from the gastrointestinal tract is an important cause of high urea nitrogen, commonly accompanied by elevation of BUN:creatinine ratio.

Low BUN level maybe seen in normal pregnancy, decreased protein intake, with intravenous fluids and intake of some antibiotics.

Bun/Creatinine Ratio	9	L	Ratio	10 - 20	Calculation
Calcium	9.6		mg/dL	8.8 - 10.2	Arsenazo III
EGFR (Glomerular Filtration Rate)	97		mL/min/ 1.73 m2	>90	Cockcroft-Gault
*Iron	70.7		µg/dL	59 - 175	Chromazurol

Interpretation Notes :

* Measurements of serum iron, TIBC and the percentage of iron saturation of transferrin are useful screening tests for iron deficiency anaemia.

* May transiently rise after dietary or iron supplements & post blood transfusion.

* In the presence of acute & chronic inflammatory processes the concentrations of iron and transferrin in the serum are significantly

Rahul Masih
Laboratory Technologist
DHA 00165871001



Dr. Nirupama Sabhapathy
DHA Reg. No: 65077850-005
Specialist Clinical Pathology

This is an electronically authenticated report

Printed on: 12/12/2024 19:02 Final Report

Page 2 of 9

Biochemistry . Microbiology . Haematology . Molecular Diagnostic

Alpha Medical Laboratory | Al Ameri Tower - Office 101 to 103 - Close to Grand Millennium Hotel

Barsha Heights - Sheikh Zayed Road | Dubai , United Arab Emirates

Tel: +971 4 5143255 | Email : info@alphamedilab.com | Website : www.alphamedilab.com



AML63253

Laboratory Investigation Report

Name : Mr. MUHAMMED ASIF
DOB : 04/12/1995
Age / Gender : 29 Y 0 / Male
Ref. physician : Dr. Pakeeza Salman
Centre : Healway Medical Center L.L.C

Ref No. :
Sample ID : 065550
Collected On : 12/12/2024 15:11
Registered On : 12/12/2024 15:11
Reported On : 12/12/2024 19:02

Test Description	Value(s)	Flag	Unit(s)	Reference Range	Methodology
------------------	----------	------	---------	-----------------	-------------

BIOCHEMISTRY

Sample Type : Serum

Executive Plus Health Package

affected.

* Concurrent measurement of the markers like Ferritin, Soluble Transferrin receptor and Hepcidin. provides a reliable work up for microcytic hypochromic anaemia.

<u>Total Iron Binding Capacity (TIBC)</u>	384	µg/dL	265 - 497	Enzymatic Colorimetric
--	-----	-------	-----------	---------------------------

Interpretation Notes :

* Measurements of serum iron, TIBC and the percentage of iron saturation of transferrin are useful screening tests for iron deficiency anaemia.

* May transiently rise after dietary or iron supplements & post blood transfusion.

* In the presence of acute & chronic inflammatory processes the concentrations of iron and transferrin in the serum are significantly affected.

* Concurrent measurement of the markers like Ferritin, Soluble Transferrin receptor and Hepcidin. provides a reliable work up for microcytic hypochromic anaemia

<u>Transferrin Saturation</u>	18	L	%	20 - 50	Calculation
--------------------------------------	----	---	---	---------	-------------

End of Report


Rahul Masih
Laboratory Technologist
DHA 00165871001




Dr. Nirupama Sabhapathy
DHA Reg. No: 65077850-005
Specialist Clinical Pathology

This is an electronically authenticated report

Printed on: 12/12/2024 19:02 Final Report

Page 3 of 9

Biochemistry . Microbiology . Haematology . Molecular Diagnostic

Alpha Medical Laboratory | Al Ameri Tower - Office 101 to 103 - Close to Grand Millennium Hotel

Barsha Heights - Sheikh Zayed Road | Dubai , United Arab Emirates

Tel: +971 4 5143255 | Email : info@alphamedilab.com | Website : www.alphamedilab.com



AML63253

Laboratory Investigation Report

Name : Mr. MUHAMMED ASIF
DOB : 04/12/1995
Age / Gender : 29 Y 0 / Male
Ref. physician : Dr. Pakeeza Salman
Centre : Healway Medical Center L.L.C

Ref No. :
Sample ID : 065550
Collected On : 12/12/2024 15:11
Registered On : 12/12/2024 15:11
Reported On : 12/12/2024 19:02

Test Description	Value(s)	Flag	Unit(s)	Reference Range	Methodology
BIOCHEMISTRY					
Sample Type : Serum					
Executive Plus Health Package					
Lipid Profile Test					
*Cholesterol (Total)	151.67		mg/dL	150 - 220	Enzymatic colorimetric assay
*Triglycerides	169.99	H	mg/dL	60 - 165	Enzymatic colorimetric assay
*HDL Cholesterol	37.63		mg/dL	35 - 80	Enzymatic colorimetric assay
*LDL Cholesterol Direct	80.04		mg/dL	Desirable: <130 mg/dl Borderline: 130-159 mg/dl High risk: >160 mg/dl	Enzymatic colorimetric assay
VLDL Cholesterol	34.00	H	mg/dL	< 30	Calculation
Total Cholesterol / HDL Ratio	4.0	L	%	4.5 - 7.1	Calculation
LDL/HDL Ratio	2.13		%	< 3.5	Calculation
NON HDL	114.04			< 130	Calculated

End of Report


Rahul Masih
Laboratory Technologist
DHA 00165871001




Dr. Nirupama Sabhapathy
DHA Reg. No: 65077850-005
Specialist Clinical Pathology

This is an electronically authenticated report

Printed on: 12/12/2024 19:02 Final Report

Page 4 of 9

Biochemistry . Microbiology . Haematology . Molecular Diagnostic

Alpha Medical Laboratory | Al Ameri Tower - Office 101 to 103 - Close to Grand Millennium Hotel

Barsha Heights - Sheikh Zayed Road | Dubai , United Arab Emirates

Tel: +971 4 5143255 | Email : info@alphamedilab.com | Website : www.alphamedilab.com



AML63253

Laboratory Investigation Report

Name : Mr. MUHAMMED ASIF
DOB : 04/12/1995
Age / Gender : 29 Y 0 / Male
Ref. physician : Dr. Pakeeza Salman
Centre : Healway Medical Center L.L.C

Ref No. :
Sample ID : 065550
Collected On : 12/12/2024 15:11
Registered On : 12/12/2024 15:11
Reported On : 12/12/2024 19:02

Test Description	Value(s)	Flag	Unit(s)	Reference Range	Methodology
BIOCHEMISTRY					
Sample Type : Serum					
Executive Plus Health Package					
Liver Function Test					
*Bilirubin (Total)	0.52		mg/dL	0 - 1.2	Jendrassik Grof
*Bilirubin (Direct)	0.12		mg/dL	0.00 - 0.4	Diazotization
Indirect Bilirubin	0.40		mg/dL	< or = 0.90	Calculated
*ALT/SGPT	18.36		U/L	0 - 49	IFCC
*AST/SGOT	25.47		U/L	0 - 46	IFCC
*GGT (Gamma Glutamyl Transferase)	23.1		U/L	10 - 45	Enzymatic
*Total Protein	7.54		g/dL	6 - 8	Biuret reaction
*Albumin (Serum)	4.1		g/dL	3.5 - 5.5	Bromocresol purple
Globulin	3.44		g/dL	2.0 - 3.5	Calculation
Albumin / Globulin Ratio	1.1			0.8 - 2.0	Calculation
*Alp (Alkaline Phosphatase)	86.59		U/L	40 - 129	IFCC

End of Report

Rahul Masih
Laboratory Technologist
DHA 00165871001



Dr. Nirupama Sabhapathy
DHA Reg. No: 65077850-005
Specialist Clinical Pathology

This is an electronically authenticated report

Printed on: 12/12/2024 19:02 Final Report

Page 5 of 9

Biochemistry . Microbiology . Haematology . Molecular Diagnostic

Alpha Medical Laboratory | Al Ameri Tower - Office 101 to 103 - Close to Grand Millennium Hotel

Barsha Heights - Sheikh Zayed Road | Dubai , United Arab Emirates

Tel: +971 4 5143255 | Email : info@alphamedilab.com | Website : www.alphamedilab.com



AML63253

Laboratory Investigation Report

Name : Mr. MUHAMMED ASIF
DOB : 04/12/1995
Age / Gender : 29 Y 0 / Male
Ref. physician : Dr. Pakeeza Salman
Centre : Healway Medical Center L.L.C

Ref No. :
Sample ID : 065550
Collected On : 12/12/2024 15:11
Registered On : 12/12/2024 15:11
Reported On : 12/12/2024 19:02

Test Description	Value(s)	Flag	Unit(s)	Reference Range	Methodology
------------------	----------	------	---------	-----------------	-------------

IMMUNOLOGY

Sample Type : Serum

Executive Plus Health Package

<u>Vitamin D, 25-Oh (Total)</u>	21.50		ng/mL	Deficiency : < 10 ng/mL Insufficient : 10-30 ng/mL Sufficient : 31-100 ng/mL Toxicity : > 100 ng/mL	CLIA
--	-------	--	-------	--	------

Interpretation Notes :

Vitamin D is vital for strong bones. It also has important, emerging roles in immune function and cancer prevention. Deficiencies at any stage of life can have devastating consequences. Similarly, vitamin D toxicity resulting from overmedication can cause serious hypercalcemia. Vitamin D consists of 2 bioequivalent forms: Vitamin D2: obtained from vegetable sources (dietary sources, supplements); Vitamin D3: derived from both endogenous (synthesized from cholesterol through sun exposure) and exogenous (animal diet) sources. Sustained levels >50ng/mL 25-OH-VitD along with prolonged calcium supplementation may lead to hypercalciuria and decreased renal function. Ref: Taylor, AL Yaktine, HB Del Valle. Dietary Reference Intakes for Calcium and Vitamin D. www.ncbi.nlm.nih.gov/books/NBK56070. Samples should not be taken from patients receiving therapy with high biotin or vitamin B7 doses (i.e. >5 mg/day) until at least 12 hours following the last biotin administration.

End of Report


Rahul Masih
Laboratory Technologist
DHA 00165871001




Dr. Nirupama Sabhapathy
DHA Reg. No: 65077850-005
Specialist Clinical Pathology

This is an electronically authenticated report

Printed on: 12/12/2024 19:02 Final Report

Page 6 of 9

Biochemistry . Microbiology . Haematology . Molecular Diagnostic

Alpha Medical Laboratory | Al Ameri Tower - Office 101 to 103 - Close to Grand Millennium Hotel

Barsha Heights - Sheikh Zayed Road | Dubai , United Arab Emirates

Tel: +971 4 5143255 | Email : info@alphamedilab.com | Website : www.alphamedilab.com



AML63253

Laboratory Investigation Report

Name : Mr. MUHAMMED ASIF
DOB : 04/12/1995
Age / Gender : 29 Y 0 / Male
Ref. physician : Dr. Pakeeza Salman
Centre : Healway Medical Center L.L.C

Ref No. :
Sample ID : 065550
Collected On : 12/12/2024 15:11
Registered On : 12/12/2024 15:11
Reported On : 12/12/2024 19:02

Test Description	Value(s)	Flag	Unit(s)	Reference Range	Methodology
------------------	----------	------	---------	-----------------	-------------

ENDOCRINOLOGY

Sample Type : Serum

Executive Plus Health Package

Thyroid Function Test (T3,T4,TSH)

TT3 (Total Triiodothyronine)	1.16		ng/mL	0.6 - 2.04	CLIA
TT4 (Total Thyroxine)	9.17		ug/dL	3.2 - 12.6	CLIA
TSH (Thyroid Stimulating Hormone)	2.83		uIU/mL	0.35 - 4.75	CLIA

End of Report

Rahul Masih
Laboratory Technologist
DHA 00165871001



Dr. Nirupama Sabhapathy
DHA Reg. No: 65077850-005
Specialist Clinical Pathology

This is an electronically authenticated report

Printed on: 12/12/2024 19:02 Final Report

Page 7 of 9

Biochemistry . Microbiology . Haematology . Molecular Diagnostic

Alpha Medical Laboratory | Al Ameri Tower - Office 101 to 103 - Close to Grand Millennium Hotel

Barsha Heights - Sheikh Zayed Road | Dubai , United Arab Emirates

Tel: +971 4 5143255 | Email : info@alphamedilab.com | Website : www.alphamedilab.com



AML63253

Laboratory Investigation Report

Name : Mr. MUHAMMED ASIF
DOB : 04/12/1995
Age / Gender : 29 Y 0 / Male
Ref. physician : Dr. Pakeeza Salman
Centre : Healway Medical Center L.L.C

Ref No. :
Sample ID : 065550
Collected On : 12/12/2024 15:11
Registered On : 12/12/2024 15:11
Reported On : 12/12/2024 19:02

Test Description	Value(s)	Flag	Unit(s)	Reference Range	Methodology
------------------	----------	------	---------	-----------------	-------------

HAEMATOLOGY

Sample Type : EDTA

Executive Plus Health Package

Glycosylated Hemoglobin (Hba1c)	5.2	%	Non Diabetic : < 6.0 Diabetic Risk : 6.0 - 6.4 Diabetic > or = 6.5	HPLC
--	-----	---	--	------

Interpretation Notes :

It is useful in evaluating the 3 months of diabetic control . HbA1c values of 5.0- 6.0 percent indicate good control or an increased risk for developing diabetes mellitus. HbA1c values greater than 6.5 percent are diagnostic of diabetes mellitus. Diagnosis should be confirmed by repeating the HbA1c test. Average Blood Glucose values is calculated from HBA1C value and it indicates average blood glucose level over past three months

End of Report


Rahul Masih
Laboratory Technologist
DHA 00165871001




Dr. Nirupama Sabhapathy
DHA Reg. No: 65077850-005
Specialist Clinical Pathology

This is an electronically authenticated report

Printed on: 12/12/2024 19:02 Final Report

Page 8 of 9

Biochemistry . Microbiology . Haematology . Molecular Diagnostic

Alpha Medical Laboratory | Al Ameri Tower - Office 101 to 103 - Close to Grand Millennium Hotel

Barsha Heights - Sheikh Zayed Road | Dubai , United Arab Emirates

Tel: +971 4 5143255 | Email : info@alphamedilab.com | Website : www.alphamedilab.com



AML63253

Laboratory Investigation Report

Name : Mr. MUHAMMED ASIF
DOB : 04/12/1995
Age / Gender : 29 Y 0 / Male
Ref. physician : Dr. Pakeeza Salman
Centre : Healway Medical Center L.L.C

Ref No. :
Sample ID : 065550
Collected On : 12/12/2024 15:11
Registered On : 12/12/2024 15:11
Reported On : 12/12/2024 19:02

Test Description	Value(s)	Flag	Unit(s)	Reference Range	Methodology
------------------	----------	------	---------	-----------------	-------------

HAEMATOLOGY

Sample Type : EDTA

Executive Plus Health Package

Complete Blood Count (CBC)

*Hemoglobin	16.47		g/dL	13.2 - 16.6	Spectrophotometry (Oxyhemoglobin)
*RBC Count	5.91	H	10 ⁶ /μL	4.35 - 5.65	Electrical Impedance
*Hematocrit- Hct	48.8	H	%	38.3 - 48.6	Calculation
*MCV	82.6		fL	78.4 - 97.6	Impedance
*MCH	27.9		pg	26.5 - 33.5	Calculation
*MCHC	33.8		g/dL	32.9 - 35.4	Calculation
*RDW	13.5		%	11.8 - 14.5	Calculation
*WBC Count	6.55		10 ³ /μL	3.4 - 9.6	Electrical Impedance
*Platelet Count	240.8		10 ³ /μL	135 - 317	Electrical Impedance

Differential Count (Dc)

NEUTROPHILS	53.16		%	40.62 - 71.65
LYMPHOCYTES	30.43		%	18.94 - 46.71
EOSINOPHILS	10.47	H	%	0.74 - 6.73
MONOCYTES	5.72		%	4.88 - 12.81
BASOPHILS	0.22		%	0.05 - 0.48

Absolute Count

ABSOLUTE NEUTROPHIL COUNT	3.48		10 ⁹ /L	2.30 - 8.10	Flow Cytometry
ABSOLUTE LYMPHOCYTE COUNT	1.99		10 ³ /uL	0.80 - 4.80	Flow Cytometry
ABSOLUTE MONOCYTES COUNT	0.37	L	10 ⁹ /L	0.45 - 1.30	Flow Cytometry
ABSOLUTE EOSINOPHIL COUNT	0.69	H	10 ⁹ /L	0.00 - 0.40	Flow Cytometry
ABSOLUTE BASOPHIL COUNT	0.01		10 ⁹ /L	0.00 - 0.03	Flow Cytometry

End of Report


Rahul Masih
Laboratory Technologist
DHA 00165871001




Dr. Nirupama Sabhapathy
DHA Reg. No: 65077850-005
Specialist Clinical Pathology

This is an electronically authenticated report

Printed on: 12/12/2024 19:02 Final Report

Page 9 of 9

Biochemistry . Microbiology . Haematology . Molecular Diagnostic

Alpha Medical Laboratory | Al Ameri Tower - Office 101 to 103 - Close to Grand Millennium Hotel

Barsha Heights - Sheikh Zayed Road | Dubai , United Arab Emirates

Tel: +971 4 5143255 | Email : info@alphamedilab.com | Website : www.alphamedilab.com