

LABORATORY REPORT

Name : **SAMEEN MAHAMOOD MAHAMOOD THUNDAKACHEERAKATH** File. No. : **AAL02-439796**
DOB/Gender : **06-05-1986 (38 Yrs 10 Month 19 Days/Male)** Referral Doctor : **Dr. Humaira Mumtaz**
Lab No. : **22250570362** Referral Clinic : **Citicare Medical Center LLC**
Request Date : **26-02-2025 19:49:02** Clinic File No : **45940**
Insurance : **NAS ADMINISTRATION SERVICES LTD**

CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Magnesium	2.33	mg/dL	1.60 - 2.60	Colorimetric endpoint method

Please note Reference Range Reviewed w.ef 5/12/23 .

Phosphorous	4.79^H	mg/dL	2.5-4.5	Molybdate UV
--------------------	-------------------------	-------	---------	--------------

Please note Reference Range Reviewed w.ef 15/10/23 .

Bilirubin - Direct	0.21	mg/dL	0.00-0.5	DIAZO
---------------------------	------	-------	----------	-------

Please note Reference Range Reviewed w.ef 15/10/23

Remarks:

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : Serum

These tests are accredited under ISO 15189:2022 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 25-02-2025 12:00:00
Authenticated On : 26-02-2025 23:13:06

Received On : 26-02-2025 19:55:00
Released On : 26-02-2025 23:19:23



Esmeralda Obenita
Lab Incharge
DHA-P-2992011

LABORATORY REPORT

Name : **SAMEEN MAHAMOOD MAHAMOOD THUNDAKACHEERAKATH** File. No. : **AAL02-439796**
DOB/Gender : **06-05-1986 (38 Yrs 10 Month 19 Days/Male)** Referral Doctor : **Dr. Humaira Mumtaz**
Lab No. : **22250570362** Referral Clinic : **Citicare Medical Center LLC**
Request Date : **26-02-2025 19:49:02** Clinic File No : **45940**
Insurance : **NAS ADMINISTRATION SERVICES LTD**

HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
Free T3 (Tri-iodothyronine - Free)	3.36	pg/mL	2 - 4.4	ECLIA

Conversion Formula: (Concentration in pg/mL) x (1.536) = pmol/L. This free fraction represents the physiologically active thyroid hormone. Free T3 is typically elevated to a greater degree than free thyroxine (T4) in Graves' disease. Free T3 is also important in monitoring patients on anti-thyroid therapy where treatment is focused on reducing the T3 production and the T4 conversion to T3. Please note Reference Range Reviewed w.ef 15/10/23

Sample Type : Serum

These tests are accredited under ISO 15189:2022 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 25-02-2025 12:00:00
Authenticated On : 26-02-2025 23:13:06

Received On : 26-02-2025 19:55:00
Released On : 26-02-2025 23:19:23



Esmeralda Obenita
Lab Incharge
DHA-P-2992011

LABORATORY REPORT

Name : **SAMEEN MAHAMOOD MAHAMOOD THUNDAKACHEERAKATH** File. No. : **AAL02-439796**
DOB/Gender : **06-05-1986 (38 Yrs 10 Month 19 Days/Male)** Referral Doctor : **Dr. Humaira Mumtaz**
Lab No. : **22250570362** Referral Clinic : **Citicare Medical Center LLC**
Request Date : **26-02-2025 19:49:02** Clinic File No : **45940**
Insurance : **NAS ADMINISTRATION SERVICES LTD**

GENERAL HEALTH PANEL (FASTING)
HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	5.85^H	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	16.9	g/dl	13.0 - 17.0	Photometry-SLS
HCT	50.9^H	%	40.0 - 50.0	Hydrodynamic focusing (HF)
MCV	87.0	fl	83.0 - 101.0	Calculation
MCH	28.9	pg	27-32	Calculation
MCHC	33.2	g/dL	31.5 - 34.5	Calculation
Platelet Count	323	10 ³ /uL	150 - 400	HF (DCD)
WBC	8.50	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	55.0	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	36.2	%	20.0 - 40.0	Flow Cytometry
Monocytes	6.7	%	2.0-10.0	Flow Cytometry
Eosinophils	1.3	%	1 - 6	Flow Cytometry
Basophils	0.8	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	4.67	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	3.08^H	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.57	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.11	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.07	10 ³ /uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.66	Calculation

Remarks:

These tests are accredited under ISO 15189:2022 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertain only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 25-02-2025 12:00:00
Authenticated On : 26-02-2025 23:13:06

Received On : 26-02-2025 19:55:00
Released On : 26-02-2025 23:19:23



Esmeralda Obenita
Lab Incharge
DHA-P-2992011

LABORATORY REPORT

Name	: SAMEEN MAHAMOOD MAHAMOOD THUNDAKACHEERAKATH	File. No.	: AAL02-439796
DOB/Gender	: 06-05-1986 (38 Yrs 10 Month 19 Days/Male)	Referral Doctor	: Dr. Humaira Mumtaz
Lab No.	: 22250570362	Referral Clinic	: Citicare Medical Center LLC
Request Date	: 26-02-2025 19:49:02	Clinic File No	: 45940
Insurance	: NAS ADMINISTRATION SERVICES LTD		

Test Name	Result	Units	Ref. Range	Method
-----------	--------	-------	------------	--------

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : EDTA WB

These tests are accredited under ISO 15189:2022 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 25-02-2025 12:00:00
Authenticated On : 26-02-2025 23:13:06

Received On : 26-02-2025 19:55:00
Released On : 26-02-2025 23:19:23



Esmeralda Obenita
Lab Incharge
DHA-P-2992011

LABORATORY REPORT

Name : **SAMEEN MAHAMOOD MAHAMOOD THUNDAKACHEERAKATH** File. No. : **AAL02-439796**
DOB/Gender : **06-05-1986 (38 Yrs 10 Month 19 Days/Male)** Referral Doctor : **Dr. Humaira Mumtaz**
Lab No. : **22250570362** Referral Clinic : **Citicare Medical Center LLC**
Request Date : **26-02-2025 19:49:02** Clinic File No : **45940**
Insurance : **NAS ADMINISTRATION SERVICES LTD**

CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Bilirubin - Total	0.50	mg/dL	0.20-1.20	DIAZO
Please note Reference Range Reviewed w.ef 15/10/23				
Alkaline Phosphatase	67.20	U/L	40-129	Colorimetric -P-NPT
Please note Reference Range Reviewed w.ef 15/10/23				
Alanine Aminotransferase (ALT / GPT)	38.50	U/L	10.0 - 50.0	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Aspartate Aminotransferase(AST / GOT)	34.80	U/L	10 - 50	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Calcium	10.00	mg/dL	8.6 - 10.3	NM-BAPTA
Please note Reference Range Reviewed w.ef 15/10/23				
*Total CO2 (Bicarbonate)	27.50	mmol/L	22.0 - 29.0	PEP Carboxylase
Please note Reference Range Reviewed w.ef 15/10/23				
Chloride (serum)	102.00	mmol/L	98 - 107	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
Creatinine (serum)	1.24 ^H	mg/dL	0.70-1.20	Jaffe-Alkaline Picrate
Please note Reference Range Reviewed w.ef 15/10/23				
Sample Type : Serum				
Glucose (Fasting)	107.00 ^H	mg/dL	70 - 100	HK/G-6-PDH
Please note Reference Range Reviewed w.ef 15/10/23				
Sample Type : Fluoride Plasma				
Potassium (serum)	5.71 ^H	mmol/L	3.5 - 5.5	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
Sodium	139.20	mmol/L	136 - 145	ISE Indirect

These tests are accredited under ISO 15189:2022 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 25-02-2025 12:00:00
Authenticated On : 26-02-2025 23:13:06

Received On : 26-02-2025 19:55:00
Released On : 26-02-2025 23:19:23



Esmeralda Obenita
Lab Incharge
DHA-P-2992011

LABORATORY REPORT

Name	: SAMEEN MAHAMOOD MAHAMOOD THUNDAKACHEERAKATH	File. No.	: AAL02-439796
DOB/Gender	: 06-05-1986 (38 Yrs 10 Month 19 Days/Male)	Referral Doctor	: Dr. Humaira Mumtaz
Lab No.	: 22250570362	Referral Clinic	: Citicare Medical Center LLC
Request Date	: 26-02-2025 19:49:02	Clinic File No	: 45940
Insurance	: NAS ADMINISTRATION SERVICES LTD		

Test Name	Result	Units	Ref. Range	Method
Please note Reference Range Reviewed w.ef 15/10/2023.				
Urea	25.90	mg/dL	12.86 - 42.86	Urease/GLDH
Please note Reference Range Reviewed w.ef 15/10/23				
Protein - Total	7.86	g/dL	6.40 - 8.30	Colorimetric - Biuret
Please note Reference Range Reviewed w.ef 15/10/23.				
Albumin	4.84	g/dL	3.97 - 4.94	Colorimetric - BCG
Please note Reference Range Reviewed w.ef 15/10/23				
*Globulin (serum)	3.02	g/dL	2.50 - 3.50	Calculation
*Albumin/Globulin Ratio	1.60	Ratio	1.10 - 2.50	Calculation

Remarks:

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : Serum

These tests are accredited under ISO 15189:2022 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 25-02-2025 12:00:00
Authenticated On : 26-02-2025 23:13:06

Received On : 26-02-2025 19:55:00
Released On : 26-02-2025 23:19:23



Esmeralda Obenita
Lab Incharge
DHA-P-2992011

LABORATORY REPORT

Name : **SAMEEN MAHAMOOD MAHAMOOD THUNDAKACHEERAKATH** File. No. : **AAL02-439796**
DOB/Gender : **06-05-1986 (38 Yrs 10 Month 19 Days/Male)** Referral Doctor : **Dr. Humaira Mumtaz**
Lab No. : **22250570362** Referral Clinic : **Citicare Medical Center LLC**
Request Date : **26-02-2025 19:49:02** Clinic File No : **45940**
Insurance : **NAS ADMINISTRATION SERVICES LTD**

HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
TSH (Thyroid Stimulating Hormone)	8.5500^H	μIU/mL	0.270 - 4.20	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 .

Remarks:

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : Serum

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

These tests are accredited under ISO 15189:2022 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertain only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 25-02-2025 12:00:00
Authenticated On : 26-02-2025 23:13:06

Received On : 26-02-2025 19:55:00
Released On : 26-02-2025 23:19:23



Esmeralda Obenita
Lab Incharge
DHA-P-2992011