

Physician:
Dr Doctor Name

**Laboratory Report
Online Version**

Report Date: 01/04/2025 14:55

Patient Name:	arcod No:	440003771
Date of Birth: 22/08/2004	Laboratory code:	64016
Sex / Nationality:	Sampling Date/Time:	01/04/2025 00:00
MRN: 1222222	Receipt Date/Time:	01/04/2025 10:30

Remarks: Report 1 of 1

Insurance:

Analysis	Result	Unit	Reference Range
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Haematology - CBC (EDTA blood)

Complete Blood Count (CBC)

White Blood Cells (WBC)	5.51	10 ³ /uL	4.0 - 10.0
Red Blood Cells (RBC)	4.82	10 ⁶ /uL	4.5 - 5.5
Hemoglobin	16.7	g/dL	13.0 - 17.0
Hematocrit (HCT)	46.9	%	42.0 - 52.0
MCV	97.3	fL	83.0 - 101.0
MCH	34.6 H	pg	27.0 - 32.0
MCHC	35.6	g/dL	31.5 - 36.0
Platelets	217	10 ³ /uL	150 - 450
RDW	12.3	%	11.0 - 14.7

Differential Count (automated)

Neutrophils	58.5	%	50 - 70
Lymphocytes	27.2	%	20 - 40
Monocytes	10.9	%	4 - 12
Eosinophils	2.9	%	< 4
Basophils	0.5	%	< 2
Neutrophils absolute	3.22	10 ³ /uL	2.0 - 7.0
Lymphocytes absolute	1.50	10 ³ /uL	0.8 - 4.0
Monocytes absolute	0.60	10 ³ /uL	< 1.2
Eosinophils absolute	0.16	10 ³ /uL	< 0.4
Basophils absolute	0.03	10 ³ /uL	< 0.1

Endocrinology (Serum)

Note:
Our reference values are adjusted to age and gender.
Daily internal Quality Control within the required range
(according to ISO 15189).
External Quality Control available on request.
^ non-accredited parameter
"This parameter is affected by Biotin intake of >5 mg
(RDI = 0.03mg)
* This investigation has been performed in a collaborating
accredited laboratory (Germany).

Techn. Validation by
Med. Technologist
(Supervisor of
the Department)



Managed by Freiburg Medical Laboratory Middle East (L.L.C.)
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Date of Birth:	22/08/2004	Laboratory code:	64016
Sex / Nationality:		Sampling Date/Time:	01/04/2025 00:00
MRN:	125410169	Receipt Date/Time:	01/04/2025 10:30

Remarks: Report 1 of 1

Insurance:

Analysis	Result	Unit	Reference Range
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TSH (ECL)"	1.05	mIU/L	0.3 - 4.2
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Important note: Revised TSH levels: The American Association of Clinical Endocrinologists (AACE), www.aace.com and the American Thyroid Association (ATA), www.thyroid.org have released guidelines to lower the TSH reference range to 0.3 - 3.0 mIU/l in order to not miss any latent hypothyreosis. The discussion is still controversial, however Freiburg Medical Laboratory recommends to consider TSH levels from 3.0 - 4.2 mIU/l as greyzone (borderline increased TSH) and definitely elevated TSH levels >4.2 mIU/l. TSH shows circadian variability and individual variation, maximal levels are seen in the early morning and the lowest level in the late afternoon to mid-evening. These variations might mask a subclinical hypothyroidism. (Source: Biochemical Testing of the Thyroid: TSH is the Best and, Oftentimes, Only Test Needed; Clinical Medicine & Research Volume 14, Number 2: 83-92- 2016)



***** End of Report *****

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