

Name : Ezz Abdulrahman Alghamdi  
Lab. No. : 31258007  
Contract. : SFD offers 2025  
Patient No. : 1202484463  
File No. :

Sample Date : 15/02/2025 17:40 PM  
Report Date : 16/02/2025 00:42 AM

Branch : Makkah El Shawqiah Age : 4 Year DOB : 09/03/2021 Sex : Male

#### Immunochemistry unit

Test	Result	Unit	Ref. Range
Homocysteine	5.21	L $\mu\text{mol/L}$	5.46 - 16.2

Reviewed By:



Dr. Tamer Mohamed

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Sample Date : 15/02/2025 17:40 PM  
Report Date : 16/02/2025 08:25 AM

Branch : Makkah El Shawqiah Age : 4 Year DOB : 09/03/2021 Sex : Male

#### Chemistry Unit

Test	Result	Unit	Ref. Range
Magnesium (Mg) in Serum	2.1	mg/dL	1.7 - 2.3
Thyroid Stimulating Hormone (TSH)	1.65	uIU/mL	0.7 - 5.97
Ferritin In Serum	31.6	ng/mL	30 - 400
Iron (Fe) in Serum	64	ug/dl	29 - 91
Folic Acid in Serum	17.3	ng/mL	4.6 - 18.7
Vitamin B12 (Cyanocobalamin)	528	pg/mL	187 - 883
Vitamin D (25 OH-Vit D -Total)	17.9	L ng/mL	Deficiency <10 Insufficiency 10-30 Sufficiency 30-100 Toxicity >100

Reviewed By:



Dr. Walaa Fathullah  
Abdulhamid

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Patient No. : 1202484463  
File No. :

Sample Date : 15/02/2025 17:40 PM  
Report Date : 16/02/2025 14:01 PM

Branch : Makkah El Shawqiah Age : 4 Year DOB : 09/03/2021 Sex : Male

#### Analytical Chemistry

Test	Result	Unit	Ref. Range
Zinc in plasma	81.27	mcg/dL	60 - 130

#### Comments

Zinc is a nutritionally essential mineral needed for catalytic, structural and regulatory functions in the body.  
This test is performed by atomic absorption spectroscopy.

Reviewed By:



Dr. Gehan Hassan Morsy

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Patient No. : 1202484463  
File No. :

Sample Date : 15/02/2025 17:40 PM  
Report Date : 20/02/2025 16:55 PM

Branch : Makkah El Shawqiah Age : 4 Year DOB : 09/03/2021 Sex : Male

Analytical Chemistry

Vitamin B6 (Pyridoxal Phosphate)

Test	Result	Unit	Ref. Range
Vitamin B6 (Pyridoxal Phosphate)	29.6	µg/L	12.6 - 45.2

Comments

Vitamin B6 is a cofactor in many metabolic pathways including heme synthesis.  
Vitamin B6 deficiency may be observed in patients with metabolic disorders, secondary to therapeutic drug use, or alcoholism. Deficiency affects the function of the immune system.  
This test is performed by high performance liquid chromatography.

Reviewed By:



Dr. Gehan Hassan Morsy

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File No. :

Sample Date : 15/02/2025 17:40 PM  
Report Date : 15/02/2025 18:16 PM

Branch : Makkah El Shawqiah Age : 4 Year DOB : 09/03/2021 Sex : Male

### Haematology Unit

#### Complete Blood Count - (CBC)

Test	Result	Unit	Ref. Range
<b>Hemoglobin Level</b>			
Hemoglobin	12.1	g/dL	11 - 14.5
Hematocrit	37.1	%	33 - 43
<b>Red cell Count And indices</b>			
Red cell count	5.01	$\times 10^{12}/L$	4.1 - 5.3
MCV	74.1	fL	74 - 89
MCH	24.2	pg	24.1 - 28.4
MCHC	32.6	g/dL	32 - 36
RDW-CV	13.3	%	11 - 14
<b>Leucocytic count (Total and Differential)</b>			
Total Leucocytic Count	8.03	$\times 10^9/L$	5 - 15
Basophils absolute count	0.03	$\times 10^9/L$	0 - 0.2
Eosinophils absolute count	0.16	$\times 10^9/L$	0.1 - 1
Neutrophils absolute count	2.50	$\times 10^9/L$	1.5 - 8
Lymphocytes absolute count	4.89	$\times 10^9/L$	2 - 7
Monocytes absolute count	0.45	$\times 10^9/L$	0.2 - 1
<b>Platelet Count</b>			
Platelet Count	425	$\times 10^9/L$	150 - 450
<b>Comments</b>			

Count is within normal limits for age and sex. Platelets count is normal.

Reviewed By:



Dr. Walaa Fathullah Abdulhamid