

Patient Name	: Ms. TITYANA FAROUQ MAHMOUD NAGHWAL	Sample UID No.	: 4088994
Age / Gender	: 48 Y / Female	Sample Collected On	: 20-06-2025 12:35
Patient ID	: QLD088806	Registered On	: 21-06-2025 00:06
Referred By	: PESHAWAR	Reported on	: 21-06-2025 08:01
Referral Client	: CITICARE MEDICAL CENTER	External Patient ID	: 47150
Emirates ID / Passport No	:	Print Version	: V.1

Department of IMMUNOLOGY

<u>Investigation</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>Biological Reference Interval</u>	<u>Method</u>
FERRITIN	30.7		µg/L	10-120 Iron overload : > 200	ECLIA

Sample: Serum

Comments :

CLINICAL IMPLICATIONS:

1. Ferritin is the most reliable indicator of total body iron status and is more specific and sensitive than the iron concentration or TIBC for diagnosing iron deficiency. Ferritin decreases before anaemia and other changes occurs.
2. Decreased ferritin usually indicates iron deficiency anaemia and increased ferritin occurs in iron excess and other causes like hyperthyroid, liverdisease, haemolytic, megaloblastic, sideroblastic and thalassemia.
3. Ferritin levels less than 10ng/ml usually indicate iron deficiency anaemia. In conditions of iron overload and in some chronic diseases, serum ferritin is an unreliable estimate of storage iron and in such cases serum ferritin is less sensitive than serum iron concentration, TIBC, or percent transferrin saturation.

INTERFERING FACTORS:

1. Recently administered radioactive medication can cause spurious results.
2. Hemolyzed blood, age, diet, antithyroid therapies are the factors that may interfere the ferritin values.
3. Ferritin is not of value to evaluate iron stores in alcoholic person with liver disease

REFERENCE:

- 1) Manual of Laboratory and Diagnostics-Frances Fischbach Marshall B. Dunning III [9th Edition]
- 2) Tietz clinical guide to Laboratory tests(Fourth edition) ALAN H.B.WU
- 3) Clinical microbiology procedures 4th edition AMY L LEBER

RECOMMENDATION:

Recommended to do Iron, Ferritin, TIBC together to distinguish between iron deficiency anaemia and the anaemia of chronic disease.

- END OF REPORT -

"QLabs compliance with ISO 15189:2022 standards"

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Page 1 of 1