Laboratory Analysis Report

Name	: Ms / Olena Zynovieva	Lab ID	: 20615508
MRN	: 50498-0	Emirates / Passport ID	:
Gender	: Female	Reference No	:
Age / DOB	: 36 Y / 27-11-1988	Reg Date	: 18-AUG-2025 06:30 PM
Client Name	: York Diagnostic Laboratories	Collection Date	: 18-AUG-2025 06:30 PM
Referred by	:	Reporting Date	: 23-AUG-2025 09:18 PM
		Nationality	: Ukraine

CLINICAL CHEMISTRY REPORT

Test	Result	Unit	Reference Range	Methodology
***Folate**	15.1	ng/mL	3.1 - 20.5	CMIA

The folic acid tests are often done in conjunction with tests for Vitamin B12 levels. Low serum folate levels reflect the first stage of negative folate balance, and precede tissue depletion. Low red-blood-cell folate values reflect the second stage of negative folate balance, and more closely correlate with tissue levels and megaloblastic anemia. Methotrexate, aminopterin, and folinic acid (Leucovorin) are chemotherapeutic agents, cross react with folate binding protein in folate assay. Samples to be tested for folate should be protected from light. Light accelerates the degradation of folate. Folate deficiency is typically associated with serum levels less than 3.5 ng/mL or RBC levels less than 150 ng/mL.

Reference: Alinity kit insert B8P140, November 2017.
***Kindly note the change in Methodology and Reference ranges effective from 27/01/2024.*

***Vitamin B12**	602	pg/mL	187 - 883	CMIA

The diagnosis of B12 deficiency cannot be solely based on serum or plasma B12 levels. Further testing for folic acid, intrinsic factor blocking antibodies, holotranscobalamin, homocysteine, and/or methylmalonic acid is suggested for symptomatic patients with hematological or neurological abnormalities.

Adult patients' reference: Alinity kit insert B7P670, December 2017.
Pediatric Reference range: Pediatric Reference Intervals - American Association of Clinical Chemistry; Eight Edition - 2021, (age 5 days - 19 years).
***Kindly note the change in Methodology and Reference ranges effective from 11/01/2024.*

#Active B12 (Holo-Transcobalamin)	140.2	pmol/L	25.1 - 165.0	.

Active B12 result obtained through technical collaboration with an external accredited laboratory.

End of Report

Sample Type : Serum *25080004142*

Lic. # JLT 65274 DUBAI - U.A.E. York Diagnostic Laboratories DMCC

Dr. Ossama Al Babbili PhD, Germany
Managing Director
License No **DHA/LS/2992011/245185**

Dr. Samar Hourieh NC
Specialist Clinical Pathology
DHA - P - 0218044

Dr. M. Jay Al Khatib PhD, UK
Laboratory Director
License No DHA-P-0053297

Final Report

YORKTEST Middle East Agent
*Tests marked with "" are under ISO 15189:2012 scope of Accreditation
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CLINICAL CHEMISTRY REPORT

Sample Type : Serum - 25080004142

Verifed by : Jannice Dangani Verifed on : 23-AUG-2025 04:35 PM

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- Samples are processed on the same day of request unless indicated.(#)Result obtained from an external accredited laboratory
- Results reported are for the samples received and reference range is age related when applicable

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