



BML442850

Laboratory Investigation Report

Name	: Mr. NOOR ISLAM GUL AKHMAD	Ref No.	: 43645
DOB	: 01/01/1993	Sample No.	: 2407452668
Age / Gender	: 31 Y 6 M / Male	Collected	: 22/07/2024 11:05
Referred by	: CITICARE MEDICAL CENTER	Registered	: 23/07/2024 18:02
Centre	: CITICARE MEDICAL CENTER	Reported	: 02/08/2024 11:38

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
# VITAMIN K1	1.04		ng/mL	0.20-3.20	HPLC

INTERPRETATION NOTES :

- Vitamin K is an essential, lipid-soluble vitamin that plays a vital role in the production of coagulation proteins.
- There are 3 forms of vitamin K. Vitamin K1 (phylloquinone) is the natural form found in green leafy vegetables, green tea, and oils such as soybean, cottonseed, canola and olive oil. It is also the commercially available synthetic form used for treatment today.
- Vitamin K deficiency may affect any age group but is encountered most often in infancy. Infants with vitamin K deficiency which may be caused by the limited transplacental transfer of vitamin K, the low level of vitamin K in breast milk, limited neonatal liver vitamin K storage, and low neonatal colonic bacterial colonization are at risk for hemorrhagic disease of newborn.

Test Interpretation:

This test aids in estimating levels of circulating Vitamin K1 concentration. Low vitamin K1 concentrations in the serum are indicative of insufficiency and poor vitamin K1 status.

Test Limitation:

Deficiency or low Vitamin K1 levels are known due to Antibiotics (cephalosporins), Warfarin, Salicylates, Anticonvulsants, Sulfa drugs, high doses of vitamins A and E, Bileacid sequestrants (cholestyramine, colestipol), mineral oils, and orlistat weight-loss medication. It is recommended to correlate the result with complete clinical and treatment history of the same.

This test is performed in an accredited referral laboratory.

Sample Type : Serum

End of Report

Dr. Adley Mark Fernandes
M.D (Pathology)
Pathologist

Dr. Vyoma V Shah
M.D (Pathology)
Clinical Pathologist

This is an electronically authenticated report

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SUNJO CYRILLA BERKA
Laboratory Technician

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Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189:2012 unless specified by (^). Test marked with # is performed in an accredited referral laboratory.

