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Sagepath Labs Pvt. Ltd.

Lab Address:- # Plot No. 564 , 1st floor , Buddhanagar , Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana.
ICMR Reg .No. SAPALAPVLHT (Covid -19)

REPORT

Name	: Mrs. JANAKI	Sample ID	: A0590908
Age/Gender	: 32 Years/Female	Reg. No	: 0312408170002
Referred by	: Dr. PRAKASH	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 17-Aug-2024 09:04 AM
Primary Sample	: Whole Blood	Received On	: 17-Aug-2024 12:55 PM
Sample Tested In	: Serum	Reported On	: 20-Aug-2024 12:58 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CHROMATOGRAPHY

Test Name				
Vitamin A	98.7	µg/mL	30.0-110.0	HPLC/LCMS

Interpretation

Vitamin A / Retinol is a fat soluble vitamin essential for vision at low light intensities. It is needed to maintain certain specialized cell membranes, skeletal maturation & to participate in the formation of light sensitive rods in the retina.

The deficiency is frequent in the poorer regions of the world and is a common cause of blindness due to corneal damage. Vitamin A deficiency is seen where the diet has lacked dairy produce & vegetables for a long time (nutritional) or in malabsorption syndromes. The earliest sign of Vitamin A deficiency is Night blindness. Toxicity is produced by intake of excessive vitamin A supplements specially in children who ingest >6 mg/day of vitamin A and in adults who ingest >15 mg/day. It has also been noted in explorers who ate polar bear livers which has exceptionally high levels of vitamin A.

This assay is useful for diagnosing Vitamin A deficiency & toxicity and for monitoring therapy. It evaluates persons with intestinal malabsorption of lipids. Vitamin A deficiency can leads to blindness whereas chronic intoxication can affect several organs. Known HIV positive patients with Vitamin A deficiency show increased disease progression and mortality.

Method :

Correlate Clinically.

*** End Of Report ***

DR.VAISHNAVI
MD BIOCHEMISTRY

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