

Name	: DUMMY	Age	: 31 Years
Lab No.	: R191001	Gender	: Female
Ref By	: SELF	Reported	: 12/6/2023 10:45:01AM
Collected	: 12/6/2023 9:52:00AM	Report Status	: Interim
A/c Status	: P	Processed at	: LPL-NATIONAL REFERENCE LAB
Collected at	: PRODUCTION TEST COLLECTION CENTRE SECTOR - 18, BLOCK-E ROHINI DELHI 110085		: National Reference laboratory, Block E, Sector 18, Rohini, New Delhi -110085

Test Report

Test Name	Results	Units	Bio. Ref. Interval
VITAMIN B2 (RIBOFLAVIN) (HPLC)	250.00	µg/L	180 - 295

Note

1. Reference interval reflects Flavin Adenosine Dinucleotide (FAD), that accounts for approximately 90% of the total riboflavin in whole blood.
2. Vitamin B2 supplementation within 24 hours prior to sample collection may affect the accuracy of test result.
3. Test conducted in whole blood.

Comment

Vitamin B2 is a component of water-soluble Vitamin B complex and is crucial for metabolism and energy production through oxidative phosphorylation. Vitamin B2 active flavins are found in 3 principal forms - Riboflavin, Flavin Mononucleotide (FMN) and Flavin Adenosine Dinucleotide (FAD). Dietary deficiency of vitamin B2 is characterized by sore throat, cheilosis, angular stomatitis, glossitis (fissured and magenta-colored tongue), corneal vascularization and normocytic, normochromic anemia. Severe riboflavin deficiency may affect the conversion of vitamin B6 to its coenzyme, as well as conversion of tryptophan to niacin. Riboflavin has a very low level of toxicity and no case of riboflavin toxicity in humans has been reported.

Following are at higher risk of developing Vitamin B2 deficiency:

- Vegetarians who consume no/ little milk
- Pregnant and lactating women and their infants
- Person with chronic diarrhoea or malabsorption
- Chronic alcoholics
- Infants with rare inborn error of Riboflavin transporter disorder.

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	DELHI 110085		

Test Report

Test Name	Results	Units	Bio. Ref. Interval
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Result/s to follow:
VITAMIN B2 (RIBOFLAVIN)

IMPORTANT INSTRUCTIONS

•Test results released pertain to the specimen submitted. •All test results are dependent on the quality of the sample received by the Laboratory. •Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician. •Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted. •Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting. •Test results may show interlaboratory variations. •The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s). •Test results are not valid for medico legal purposes. •This is computer generated medical diagnostic report that has been validated by Authorized Medical Practitioner /Doctor. •The report does not need physical signature.

(#) Sample drawn from outside source.

If Test results are alarming or unexpected, client is advised to contact the Customer Care immediately for possible remedial action.

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National Reference lab, Delhi, a CAP (7171001) Accredited, ISO 9001:2015 (FS60411) & ISO 27001:2013 (616691) Certified laboratory.

