

Patient Name : Mr MR.DUMMY

DOB/Age/Gender : 23 Y/Male

Patient ID / UHID : 8052591/RCL7249243

Referred By : Dr. X

Sample Type : Serum

Sample Collected : Apr 26, 2024, 01:00 PM

Report Date : May 24, 2024, 05:28 PM.

Barcode No : SI484417

Report Status : Final Report

Test Description	Value(s)	Unit(s)	Reference Range
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Vitamin B1 (Thiamine)

Vitamin B1 (Thiamine) HPLC	32	µg/L	28-85
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Interpretation:**Clinical Significance:**

The main circulating form of Vitamin B1 is thiamine diphosphate (TDP), which is found almost completely in red blood cells. Vitamin B1 functions as a coenzyme for the oxidative decarboxylase of alpha -keto acids & for the formation of alpha ketols. As the triphosphate, thiamine is important in energy production & synthesis of lipids & acetylcholine

Clinical utility:

1) Deficiency is most common with low intake (poor nutritional status -e.g. in alcoholics & elderly). 2) Increased requirements like exertion, pregnancy, fever, breast feeding & rapid adolescent growth or increased loss like haemodialysis

-Beriberi is the chronic deficiency disease that results from inadequate dietary intake & / or Impaired absorption (e.g. in chronic alcoholism). Signs & symptoms are usually related to the nervous system like peripheral neuropathy, encephalopathy, muscle pain, tenderness & cardiovascular system like Congestive Cardiac failure in extreme cases.

-The deficiency of Vitamin B1 causes an increase in glyoxylate, alpha-ketoglutarate, lactate & pyruvate.

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.



Booking Centre :- DEMO PARTNER CHENNAI, DEMO PARTNER CHENNAI
Processing Lab :-

 928-909-0609 ccsupport@redcliffelabs.com www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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