

Client
Gurugram
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Name : Mr. BC285	Billing Date : 07/07/2023 12:11:54
Age : 35 Yrs	Sample Collected on : 10/07/2023 10:01:31
Sex : Male	Sample Received on : 10/07/2023 11:02:13
P. ID No. : P1000100012399	Report Released on : 13/07/2023 13:17:46
Accession No : 10002304455	Barcode No. : 10002304455
Referring Doctor : Self	
Referred By :	Ref no. :

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
-----------	--------	--------------------------	------

BIOCHEMISTRY

Manganese, WB EDTA 15.2
Sample: Whole Blood EDTA
Method: ICPMS

Manganese, WB EDTA

Inductively Coupled Plasma Mass Spectrometry (ICPMS) is used to determine the level of heavy / trace metals in biological tissues. Manganese is an essential element used as a co-factor for a number of enzymatic reactions. Main intake is derived from food, vegetables, germinal portions of grains, fruits, nuts, tea and some spices. Elevated levels of whole blood Mn have been reported, with and without central nervous system (CNS) symptoms, in patients with hepatitis B virus-induced liver cirrhosis, in patients on total parenteral nutrition (TPN) with Mn supplementation, and in infants born to mothers who were on TPN.

It is used in industries dealing with steel alloys, dry cell batteries, electrical coils, ceramics, matches, glass tiles, welding rods, animal food additives & fertilizers. Individuals working in industries with high concentrations of manganese dust show a 30 times greater incidence of respiratory disease than normal individuals. Manganese exposure leads to abnormal electrocardiogram and inhibits myocardial contraction.

** End of Report **



Dr. Aarti Khanna Nagpal
DNB (Pathology)
Senior Consultant

